19980527.qrp v01_n104.qrs.980527

Date: Wed, 27 May 1998 19:03:16 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 1104

QRP-L Digest 1104

Topics covered in this issue include:

    by "Rud Merriam" <rmerriam@csi.com>
20) [11843] Looking for Norcal Cascade
    by W7LS <w7ls@blarg.net>
21) [11844] Re: pi redefined
    by "Bruce R. Arnold" <barnold@coastalnet.com>
22) [11845] Re. And speaking of Short Wave
    by Bill Todd <bill@willapabay.org>
23) [11846] Sierra modification?
    by Uwe Cappeller <cappelle@mailer.uni-marburg.de>
24) [11847] Program for laying-out perf board?
    by "Tony Fishpool" <g4wif@btinternet.com>
25) [11848] SGC COMES THROUGH
    by Ed Tanton <n4xy@att.net>
26) [11849] Argosy IID for swap/trade
    by Markus_Zimmermann.atraxis.ZRH@sairgroup.com
27) [11850] RE: Trouble Finding Match Using LDG Tuners
    by Sam Billingsley <SBillingsley@usaninc.com>
28) [11851] Re: [11587] Pi redefined
    by tedkell@juno.com (Ted Kell)
29) [11852] Re: Elmer: Basic building & soldering stuff
    by tedkell@juno.com (Ted Kell)
30) [11853] Re: Antenna tuner recommendations
    by Jess Gypin <jessqrp@concentric.net>
31) [11854] Re: More KC-1 help needed!
    by "KA5T Larry Wise" <lewise@inetport.com>
32) [11855] NA logging software...
    by "Evert R. Halbach" <cs-erh@nich-nsunet.nich.edu>
33) [11856] Re: Program for laying-out perf board?
    by Leon Heller <leon@lfheller.demon.co.uk>
34) [11857] QRP Goodies forsale
    by Dwight W9YQ <dgbcms@netnet.net>
35) [11858] "non-reactive" resistors
    by Chuck Carpenter <w5usj@webwide.net>
36) [11859] Re: Ten Open
    by Bruce Rattray <rattray@gpfn.sk.ca>
37) [11860] IAQRP net freq correction
    by John Burnley <JBurnley@ifmc.org>
38) [11861] Re: Batteries: NiMH worth the extra 20621
    by Zack Lau <zlau@arrl.org>
39) [11862] Charging Hydride Batteries
    by "Bob Follett" <bfollett@ditell.com>
40) [11863] Key ID
    by Brad Mugleston <bmug@gwl.com>
41) [11864] Elmer 101
    by Brad Mugleston <bmug@gwl.com>
42) [11865] Re: Charging Hydride Batteries
    by "Vincent Ferme" <vferme@sprint.ca>
43) [11866] Re: "non-reactive" resistors

by eakwik@mail.hac.com
44) [11867] Perfboard Layout Software
by Bill Jones <kd7s@psnw.com>
45) [11868] Re: Sierra Mod scary looking
by McNelly <72507.235@compuserve.com>
46) [11869] Re: Elmer 101
by Michael Maiorana <mikemo@ibm.net>
47) [11870] PREFIXES?
by ARDUJENSKI <ARDUJENSKI@aol.com>
48) [11871] Re: Pacificon CW Test
by KB0VCC/1 <kb0vcc@rocketmail.com>
49) [11872] IROESK
by "Marshall Emm" <mgemm@mtechnologies.com>
50) [11873] Re: PREFIXES?
by Michael Maiorana <mikemo@ibm.net>
51) [11874] Webpage updated with 160 Meter TX loop.
by Ed Loranger <we6w@qsl.net>
52) [11875] High in the Gila Wilderness with a backpack & radio :) {long}
by wa5whn@juno.com
53) [11876] [Fwd: Perfboard Layout Software]
by Andy Fox <foxes@theriver.com>
54) [11877] Solar Quake video
by "Rich Dailey, KA8OKH" <ka8okh@som-uky.campus.mci.net>
55) [11878] SG2020 -- More!
by beache@juno.com (Edward B Beach)
56) [11879] ELMER 101: U5 Mixer Problem
by Dale Scott <dcscott@us.ibm.com>
57) [11880] Re: Query about "non-reactive" resistors
by "Frank G3YCC" <g3ycc@g3ycc.prestel.co.uk>
58) [11881] Journey to 160 Meters -- Whoops!
by Ed Loranger <we6w@qsl.net>
59) [11882] Re: Sierra Mod scary looking
by Steven Weber <kd1jv@moose.ncia.net>
60) [11883] PIC project: CW morse tutor
by Pierre Constantineau <pierre@cmpe.ubc.ca>
61) [11884] Re: Scopes and Probes
by "Paul Meier" <wa7mig@Hevanet.com>
62) [11885] RE: PREFIXES?
by "James C. Owen, III" <owen@piper.eeel.nist.gov>
63) [11886] Sierra Tune up
by "Fishman, Clark" <cfishman@pica.army.mil>
64) [11887] Weller WTCPK Soldering Station
by "Dennis B. Dolle" <dolledb@cet.com>
65) [11888] Re: Sierra Mod scary looking
by McNelly <72507.235@compuserve.com>
66) [11889] keyer info
by "Paul Meier" <wa7mig@Hevanet.com>
67) [11890] ATUs

    by Tellefsen Bob-CNSE97 <cnse97@lmpsil02.comm.mot.com>
 68) [11891] Barry Goldwater K7UGA
    by DYARNES@aol.com
 69) [11892] RE: Solar Quake video
    by "Jerry McCollom" <jmc@cnd.hp.com>
 70) [11893] Re: Barry Goldwater K7UGA
    by DENNISMO@aol.com
 71) [11894] Re: Solar Quake video
    by KC5TJA <kc5tja@topaz.axisinternet.com>
 72) [11895] FS: Vibroplex Bug
    by Jeff Grudin <grudin@pacific.vdbs.com>
 73) [11896] WE6W 160 Meter Short TX Loop Drawing.
    by Ed Loranger <we6w@qsl.net>
 74) [11897] WE6W 160 Meter TX Loop Drawing FIXED!
    by Ed Loranger <we6w@qsl.net>
 75) [11898] Re: PREFIXES?
    by Bruce Muscolino <w6toy@erols.com>
 76) [11899] WF4I Off Line!
    by Derek Brown <DBrown@RFMD.com>
 77) [11900] RE: vacuum tube rectifiers replacements
    by "Prof.Arnaldo Coro Antich" <inforhc@mail.infocom.etecsa.cu>
 78) [11901] Re: 160 meter loop
    by "Prof.Arnaldo Coro Antich" <inforhc@mail.infocom.etecsa.cu>
 79) [11902] Re: 160 meter loop
    by Ed Loranger <we6w@qsl.net>
 80) [11903] dsp filters
    by ac5ez@webtv.net (Larry B)
 81) [11904] Outlook Help
    by Brad Mugleston <bmug@gwl.com>
 82) [11905] boardlayout: signal integrity-long
    by "rohre" <rohre@arlut.utexas.edu>
 83) [11906] Product announcement
    by Bensondj@aol.com
 84) [11907] Mini Lunchboxes
    by Larry Jones <ljones@flash.net>

Date: Tue, 26 May 1998 18:58:05 -0400
From: McNelly <72507.235@compuserve.com>
To: qrp-l@Lehigh.EDU
Subject: [11824] Re: Sierra Mod scary looking
Message-ID: <199805261900_MC2-3E36-52B0@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Hello All,

after doing the transfomer/NTE342 mod on my friends Sierra with 10 Bifilar turns of #26 wire on a FT-37-43 core (stock), I am troubled by how the output appears.

I have been looking at the 40M transmitted waveform on a scope, and her rig produces a "fat" sinewave into a dummy load. Into a resonant antenna it gets very bad above 7.080 or so and looks modulated by some other frequency. My rig looks very clean across the band into the same antenna so I'm worried that her rig is now producing unwanted harmonics :-(

Others had reported doing the mod with 12 turns, or on a larger core, or with different size wire. Could this be the problem?

This rig still puts out less than 0.5w on 15M and I am waiting for a J310 to put in it. I appreciate all the emails I have received with suggestions, keep 'em coming!

72/73's,

--Rick, KE4IZH

QRP-L # 493
72507.235@compuserve.com
Chesapeake, Va.
MP2.1K

Date: Tue, 26 May 1998 23:14:22 GMT
From: mwattcpa@earthlink.net (Marty Watt)
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [11825] Re: Batteries: NiMH worth the extra $$
Message-ID: <356b4c44.3111454@mail.earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable

On Tue, 26 May 1998 12:44:26 EDT, PGSPersEng <PGSPersEng@aol.com> wrote:

>Not exactly QRP related, but I'd like to hear the wisdom of the group.
>

>I need to replace my HT battery. There's a 30% to 50% premium for NiMH
>batteries compared to NiCd models. I've always had bad luck with NiCd's =
(OK, I
>abuse them), but are NiMH models worth the extra bucks?

Be careful with charging NiMH. Typical NiCd chargers, particularly quick chargers, I'm told will not work on NiMH batteries, and pose a danger of fire/overheating.

Others much more knowledgable than I will have to answer why ... I'm only reporting what I've read!

The need for a new charger has dissuaded me from NiMH so far. The =
charger
brings total battery cost to 3x that of NiCd. I can afford to trash a =
few
NiCds before breaking even on the cost of NiMH and charger.

--
72 es 73 de Marty, KM7W
____
=46ranklin, Tennessee   http://home.earthlink.net/~mwattcpa =
=20
NorCal #2031 -- ARCI #7514 -- QRP-L #0953 -- AK/QRP #098 -- Grid EM65

Date: Tue, 26 May 1998 19:44:32 -0400
From: Ed <edn4pk@voyageronline.net>
To: Qrp <qrp-l@Lehigh.EDU>
Subject: [11826] FS:Century21
Message-ID: <356B53E0.924B684@voyageronline.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I have a as new Tentec Century 21 for sale. 25-30 watts out all bands and is front panel adjustable to below a watt. 10-80 meters (no warc).Only mod is the addition of a rf preamp between the rf mixer and rf amp. Could easily be removed if you so desire. No board or external "hacking". The rig is a proven "Fox Pelt" hunter. Includes the optional external Xtal Calib. Original manual. Price includes shipping CONUS. Asking $235 OBO
Ed N4PK.....72/73

Date: Tue, 26 May 1998 19:10:52 -0500
From: TERRY MYERS <kq5u@swbell.net>
To: QRP-L <QRP-L@Lehigh.EDU>
Subject: [11827] Japanese QRP Kits
Message-ID: <356B5A0C.30CF3451@SWBell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The following is a list of available QRP kits from Japan. I have been looking at the market there and corresponding with JA8CSL. He compiled the following list and all prices are approximent. He is a member of the JRRL QRP Club.

If anyone is interested this should give you a place to start looking.

From:
"H. Yoshimura" <ne2h-ysmr@asahi-net.or.jp>

I have made a short list of the QRP equipment including kits made in Japan.

As far as I know, they do not have instruction paper in English.
So please be advised that you should not expect too much from those Japanese products/kits, though it is my pleasure to offer you an information.

Best regards,

Hideyu Yoshimura, JA8CSL

QRP Equipment made in Japan

The products of MIZUHO and TOKYO HY-POWER are only available through HAM

shops.

MIZUHO (0427-23-1049 Fax 0427-26-6793):

Product	specification	price
MX-6S	50M SSB/CW output 1W Transceiver	32,000 Yen
MX-7S	7M SSB/CW output 2W Transceiver	32,000 Yen
MX-21S	21M SSB/CW output 2W Transceiver	32,000 Yen

MX-2F   144M SSB/CW output 1W Transceiver 32,000 Yen
P-7DX   7M CW output 0.5W Transceiver   31,000 Yen
P-21DX 21M CW output 0.5W Transceiver   ?
QP-21   21M 3TRs output 1W Transmitter Kit   3,000 Yen
        (Parts and a Circuit board without a case)
QP-7   7M 3TRs output 1W Transmitter Kit   3,000 Yen
      (Parts and a Circuit board without a case)

TOKYO HY-POWER (Tel. 048-481-1211 Fax 048-479-6949):
HT-750 7M/21M/50M SSB/CW   69,800 Yen
         output 3W(7M/21M) 2W(50M)

AITECH-LABORATORY (Tel. 0287-62-0939):
TRX-602 50M SSB output 0.2W-0.5W TRANSCEIVER KIT 26,500 Yen
           (50.150 ? 50.250MHz VXO)

CIRCUIT HOUSE (Tel. 047-354-4092):
The following kits include parts and a circuit board without a case
CF-06A   50M SSB output 0.2W TRANSCEIVER KIT   12,000 Yen
CZ-50A   50M DSB output 0.2W TRANSCEIVER KIT   7,800 Yen
CV-156F3   21M -> 50M output 0.2W TRANSVERTER KIT   6,200 Yen
CV-152F3   21M -> 144M output 0.2W TRANSVERTER KIT   6,200 Yen
CV-106F3   28M -> 50M output 0.2W   TRANSVERTER KIT   6,200 Yen
CV-102F3   28M -> 144M output 0.2W TRANSVERTER KIT   6,200 Yen
CV-062F3   50M -> 144M output 0.2W TRANSVERTER KIT   6,200 Yen
CV-026F3   144M -> 50M output 0.2W TRANSVERTER KIT   6,200 Yen

---

I have no idea how to get the documentation translated. I only have the

limited ability in English.

I have no experience with any of the equipment.

Terry Myers, KQ5U

Date: Tue, 26 May 1998 20:13:11 -0400
From: "Vincent Ferme" <vferme@sprint.ca>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [11828] Re: Batteries: NiMH worth the extra $$
Message-ID: <003201bd8904$3cd4dea0$861305d1@vince>

MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Marty,

The user's manual that came with the battery does not say anything about a different charger, quite the contrary, it says to use the same charger used with the old NiCad.

It does mention the NiMH battery gets hotter than the NiCad while being charged, but it says it's normal.

73 de Vince, VE3VFN.

-----Original Message-----
From: Marty Watt <mwattcpa@earthlink.net>

Be careful with charging NiMH. Typical NiCd chargers, particularly quick chargers, I'm told will not work on NiMH batteries, and pose a danger of fire/overheating.

Date: Tue, 26 May 1998 13:54:58 -0700
From: John Dundas <jadlaw@soca.com>
To: n0tu@webaccess.net
Cc: qrp-l@Lehigh.EDU
Subject: [11829] Too many Rigs, keys, etc.
Message-ID: <3.0.5.32.19980526135458.007cb5d0@soca.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>
Steve--

     I made my own switchbox, using a RS board containing 8 phono jacks, and a single pole multi position rotary switch. I use one of the 8 jacks as the input from the keyer, and the other 7 (or less) go to various rigs.

     While it does not solve all "clutter" problems, it does allow me to have only one paddle and one keyer that I can use with all rigs, without manually switching cables.

Good luck!

John
>

Date: Tue, 26 May 1998 20:25:56 -0400
From: "Tim Cook" <timcook@erinet.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [11830] PTO - Thanks
Message-ID: <01df01bd8906$04bdd240$9a785acf@timcook.erinet.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks to all for the info on the PTO problem I asked about. the consensus was to rebuild the PTO as it is only going to get worse. I guess I knew this, but was just hoping for a "magic bullet" cure hi hi.....
73
Tim
NZ8J

Date: Tue, 26 May 1998 17:28:21 -0700
From: Jay & Jackie <jayboy@psnw.com>
To: qrp-l@Lehigh.EDU
Subject: [11831] Computer Help: GOT IT!
Message-ID: <3.0.1.32.19980526172821.006be0e0@mail.psnw.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Greetings, today I'm all :-)'s

Thanks for all the great suggestions for installing my HP 4L...When others could make it work, I knew then it had to be me. The solution was that the computer would not recognize the printer driver off the WIN95 cd as long as my ZIP drive (which is in line) with the printer was connected....Took off the Zip, installed the printer, put the Zip back in line, everybodys happy.

Sorry for the list posting, but so many offered help I don't have the time to reply to each.

Now to clean this desk up and try to shake a cold...Central Californian's are used to this weather..

73 Jay, W6JDB

Date: Tue, 26 May 1998 20:47:25 EDT
From: MJC 191 <MJC191@aol.com>
To: qrp-l@Lehigh.EDU
Subject: [11832] Ten Open
Message-ID: <7b058d0a.356b62a1@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hi Fellow QRPers,
Nice to hear some 10 meter cw activity tonite, despite some deep rolling QSB. Worked the following:
PY2KC 28.029
K4ORD 28.060
AE4GN 28.060
All done with the old rusty Uniden 2510 and a homebrew Half Square hanging in the tree.
72/73
Mike NA1XX QRP-L #1588

Date: Tue, 26 May 1998 18:52:26 -0600
From: "Steve Hurst" <shurst@magiclink.com>
To: <qrp-l@Lehigh.EDU>
Subject: [11833] Rx'ed new NorCal kit today !!!!!
Message-ID: <199805270052.UAA25534@nss4.cc.Lehigh.EDU>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

QRP gang,

Today I went to the post office .... low and behold there was a package from "NorCal QRP Club" !!! OH JOY !!! The new NorCal Kit has arrived at last !!!! That's right, the new(est) NorCal/K8FF paddle kit came today !! Jim must be slowing down some..... the whole process of ordering, and receiving same took TEN whole days !!! Come on Jim get with the program here will ya..... lets speed it up next time GEEESSSSS !! :-)

(for the humor challenged.... I'M ONLY KIDDING ABOUT JIM AND THE TIME IT TOOK !!!!! OK ???)

Thanks Jim for the super fast service , guess you wanna get rid of all those paddles before the saucers arrive here on the 8th. Too much weight , huh ? Was it the 8th ?? HEY NILS..... ARE THE SAUCERS DUE ON THE 8th OR THE 4th.. I gotta get the landing strip finished, or at least the wheat field so's they can make those neat'o crop circles THEY'ER so fond of !!!! Hard to do during a snow storm though !! Yes that's right , we had snow today !! Is it May ?? Did I miss summer ? Did THEY put my mind in a state of unconsciencness ?? Fry up some eggplant , I'm hungry !!!

73,
Steve Hurst
KA7NOC (southern Idaho)
http://www.magiclink.com/web/shurst
shurst@magiclink.com

Date: Tue, 26 May 1998 21:05:02 -0400
From: "Bill NT1R" <wlegge1@maine.rr.com>
To: <tentec@contesting.com>
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [11834] FS: Power-Mite PM3A
Message-ID: <199805270040.UAA01855@prefetch-atm.maine.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Excess to my needs one PM3A $75. plus shipping. The rig is in very good shape. It has had a speaker install in the top, a 239 jack for the ant. and the headphone jack changed.   Bill, NT1R

Date: Tue, 26 May 1998 21:20:56 -0400
From: "Dan Romanchik" <danr@izzy.net>
To: <qrp-l@Lehigh.EDU>
Subject: [11835] Re: Scopes and Probes
Message-ID: <01bd890d$b317bf20$18999ecf@danr.izzy.net>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

On Tue, 26 May 1998, John Bohnert wrote:
> Recently I gained access to a Tek 453 scope in excellent
condition...no
> manual or probes.

John, you might also want to get a copy of the book, _Oscilloscopes: Selecting and Restoring a Classic_. This book was written by Stan Griffiths, W7NI, who worked for Tektronix for many years. The book is $20, and last I knew, was only available from the author. The address I have is 18955 SW Blanton, Aloha, OR 97007.

73,

Dan KB6NU
QRP wannabe

Date: Tue, 26 May 1998 21:36:47 -0400
From: "Bob Kellogg" <ae4ic@nr.infi.net>
To: "qrpforum" <qrp-l@Lehigh.EDU>
Subject: [11836] FS - NW30, NW40
Message-ID: <199805270152.VAA15585@mailhost.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

For Sale:

EMTECH NW40. This is the current EMTECH design (not DAN's version) which includes the Variable bandwidth filter. Puts out a full 5 watts. Hot superhet receiver includes optional audio filter. Enough audio to drive a small speaker. Built into a Radio Shack case. $75 + ship

EMTECH NW30. Same as above, except in the custom EMTECH case. $75 + ship

Both rigs in excellent condition.

Bob Kellogg, AE4IC, Greensboro, NC
Prolably, but not nececelery. -- Benny Hill

Date: Tue, 26 May 1998 21:54:01 EDT
From: MSU1972 <MSU1972@aol.com>
To: qrp-l@Lehigh.EDU
Subject: [11837] More KC-1 help needed!
Message-ID: <6ca6478.356b723d@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Thanks to all for getting me the commands I lost for the KC-1 on my NorCal 40A. Now I need more help !?!?!??
The K8+ I keyer I built has a command for "exchange paddles" which switches the dits and dahs on the paddle. This comes in very handy. I don't see any way to do this on the KC-1!
Here's my dilemma...I use an Autek (CMOS MK-1) keyer for the QSO rigs. When I move my Kent Iambic Paddle from the Autek and plug it into the NorCal - the dits and dahs are the wrong way! No way to exchange paddles on the Autek or the KC-1. Was this left out of the commands from the KC-1...or am I just missing the command?
2. How can I accomplish this change without resoldering each time????!!!!!!!!!
3. Maybe the NorCal would have been better with the K8+ keyer than the KC-1 (of course, I wouldn't then have the freq counter.

HELP - I'M NOT AMBIPADDLIST WITH THE KEY!!!!!!

David, KB8OCC

Date: Tue, 26 May 1998 22:20:16 -0400
From: Kevin Walker <KB9NUN@compuserve.com>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [11838] What It's All About - IMHO
Message-ID: <199805262220_MC2-3E3D-1FB5@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain; charset=ISO-8859-1
Content-Disposition: inline

I'm more of a lurker to the list, but have really gotten alot out of it. =
 I
sort of cringed when I saw some poor taste postings, fearing the list mig=
ht
go away. I'm glad things have settled down. =

I spent this evening building a 1:1 balun for my "vacation station" I pla=
n
to use on Cape Cod during the week of the 4th of July. My station will b=
e
my OHR-100a for 30m and my SW-40+ if I get it done in time. I really
needed a antenna and figured a simple dipole would be great. After seein=
g
a article in CQ about qrp "cheapware" I decided to give it a try. The
balun went together easy, maybe to easy I thought. Nothing seems to work=

out right for me the first time in this hobby! All I had was some rg-6 (=
75
ohm) and some old wire from a garage door opener switch. Using my
OHR-100a, RS digital swr meter I set out to tune a dipole for 30m. This=

also went easy. I started tuning around and heard a qso ending I through=

out my call to K1CRI and lo and behold Mark came back to me with a 439 rs=
t.

Here I am, sitting on my deck using a gell cell to power the rig and usin=
g
this rinky-dink antenna only 5 feet off the ground and its WORKING! I
don't seem to get much time to operate so I'm feeling pretty good. I get=

done and say to my wife who is watering some flowers, "Hey I just worked =
a
guy in Vermont!", she just kinda looks at me with a "so what's the big
deal?" look. Oh well...got to work on her I guess!   =

I know it's not much to you dx-hounds.....but this really made my night.

73,

Kevin KB9NUN

Date: Wed, 27 May 1998 03:55:29 +0100
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: qrp-l@Lehigh.EDU
Subject: [11839] Pacificon CW Test
Message-ID: <199805270255.DAA14930@chuck.dallas.sgi.com>

Doug Hendricks, KI6DS, announced the speakers and the events
for Pacificon in October of this year.

Here is some information to help those interested in getting
ready for what we hope will become an annual event. I will
conduct a Morse Code test starting at 15wpm and going to
the fastest speed any contestant can get to. We will go
in increments of 5 wpm, thus speeds will be 15, 20, 25, 30,
35, 40, 45, 50, 55, ...

At each speed there will be a one minute QSO. At the end
of the QSO there will be a quiz, all multiple choice questions.
You will answer the questions and then they will be graded.
If you miss one then you are out of the running for the next
speed. No exceptions. Doug asked me why multiple choice?
Answer: so noone can complain about handwriting. :-) And
it is easy and fast to grade. Also, the number of questions
will be going up due to the larger amount of info transmitted
in one minute. Makes it more interesting, but hey, you'll
have the questions in front of you as the QSO is in progress.

So, get out the MFJ Morse tutor and start practicing. Bring
a pencil or ball point pen and be prepared. Someone bring
golf course pencils and sell them for a buck. :-)

I will need someone local to Concord CA to bring a stereo
system with speakers, i.e. just the amp with input RCA jacks and
good speakers to amplify the output from the computer and provide
good audio for the audience. Sorry, no headphones for this
contest. Also may want to bring a tape deck if possible to
record the proceedings for the internet and to record an
attempt at 80 wpm. More details to follow as the event
approaches.

If we can get a PostScript printer there, certificates
printed on the spot, so any help greatly appreciated for
this as I will be hauling enough as it is from the
office in Mt View or from TX ....

So, start practicing daily for this one. It will be
worth it and hopefully a lot of fun. Results will be
published in QRPp, QQ, QST, and QRP-L. Become famous.....

If time permits I have another program to test the
fastest speed at which you can copy single characters. :-)

FYI

Chuck Adams K5FO Dallas,TX CP-60
http://reality.sgi.com/adams adams@sgi.com

Date: Tue, 26 May 1998 21:27:57 -0600 (MDT)
From: af852@rgfn.epcc.edu (William R Colbert)
To: qrp-l@Lehigh.EDU
Subject: [11840] Re: 10 watt rigs
Message-ID: <199805270327.VAA21198@rgfn.epcc.edu>

Also don't forget the Yaesu FT757SX and the FT757sxII which are
excellent rigs - a few did make their way to the U.S. In addition,
Yaesu parts at one time had the 10 watt final amp board in stock -
don't know if they do now or not - it was a little pricey when I
last checked.
Nice to see the different models listed - thanks to those who posted
the info.
73 Ray

--
Ray Colbert, W5XE
OOTC 3618, SOWP 1064M
El Paso, Tx (FAR WEST TEXAS!)
also: w5xe@juno.com

Date: Sat, 23 May 98 22:26:56 PDT
From: "Robert H. Sorge" <rsorge@phoenix.net>
To: qrp-l@Lehigh.EDU
Subject: [11841] SW-30+ on the air!
Message-ID: <Chameleon.980523223558.rsorge@phoenix.net.phoenix.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Well, I couldn't wait so I had to finish my rig. I includedd the FREQ-Mite also
that is
offered by Small Wonder Labs. It was easy to implement. I have made a couple of
contacts
from Deer Park, Texas. The first was KI0MZ, in Castle Rock, CO. The next was

W9IKN, Special
Event station in Elgin , IL. Both contacts the rig was on 3 watts output. I am using the Gap
Titan Vertical. Now I'm ready for a two way SW-30+ contact.
72 de Bob

Name: Robert H. Sorge - KC5FMZ QRP-L#910,NORCAL#793,ARCI#96033
E-mail: rsorge@phoenix.net
Date: 5/23/98
Time: 10:26:56 PM

Date: Tue, 26 May 1998 23:45:23 -0500
From: "Rud Merriam" <rmerriam@csi.com>
To: <whalen@swcp.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [11842] Re: 30 m J-pole, NW20 update
Message-ID: <199805270448.AAA19564@hil-img-ims-5.compuserve.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

How big is that j-pole?

All the VHF/UHF designs I've seen have the long pole at 3/4 lambda. In a 30m that would be rather long.

Rud Merriam KD5DTV
rmerriam@csi.com

> From: tom whalen <whalen@swcp.com>
> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
> Subject: 30 m J-pole, NW20 update
> Date: Saturday, May 23, 1998 8:21 PM
>
> Hola QRP-ler's!
>
> Just finished building a 30m J-pole and will test it tomorrow and see if
> it works.
> Hope to use it RR mobile and also for backpacking.

> --
> Have not had time to work on the BC problem with my NW20.Probably get to
> work on it next Tues. Jay, look at your notes on the fix you used if you

> would please.
>
> Not hearing many 10 m "foxi" here at my casa. Only have worked KK6MC/5
> as my one and only catch.
>
> 72, Tom WB5QYT " Have spud will travel!"
> Enjoying QRP!
> !
> Rigs: Ten Tec Argo 509, SST-30, GM-15, OHR Spirit 40, Emtech NW20

>   IC-706, 38S, 49er, Bare Essentials, Mizuho MX-7s, ST. Louis tuner

> Org: QRP-L 640, scQRPion 22, Norcal 1979, Fists 4465, ARS 396
>

Date: Tue, 26 May 1998 22:01:22 -0700
From: W7LS <w7ls@blarg.net>
To: qrp-l@Lehigh.EDU
Subject: [11843] Looking for Norcal Cascade
Message-ID: <356B9E22.7F7B@blarg.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi. I understand that there was a rig called a Norcal Cascade, which is
no longer made. I'm interested in seeing the specs and possibly buying
one. Please let me know if you have one to spare. My interest is in 75
meters, so if it is a multiband rig, or selectable bands, it's ok if it
at least covers 75.
     Tnx/73 de Jim, W7LS

Date: Wed, 27 May 1998 02:39:56 -0700
From: "Bruce R. Arnold" <barnold@coastalnet.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [11844] Re: pi redefined
Message-ID: <199805270636.CAA14652@abaco.coastalnet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

My favorite response to drivel of the "God wanted the rocks to look that way" sort is: "OK, so how do you know God didn't create the world 5 seconds ago, complete with memories and artifacts?" :-)
Bruce Arnold N8UTY

> From: Ed Tanton <n4xy@att.net>
> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
> Subject: pi redefined
> Date: Tuesday, May 26, 1998 10:36 AM
>
> What's scary (to me) is that it is so believeable. If the explanation (per
> "scientific Creationism") of why our billions of years old rocks are really
> only thousands of years old is: "... because God wanted them to look that
> way"... and if such drivel can be taught in our schools alongside the other
> "theories" of creation, equally-who would find a revision of pi to be
> beyond the production of their limited, narrowminded scope.
>
> And I'll drop it now, again I apologize for a political comment-as I said
> previously: such incredible zealotry really gets my goat.
> 73
> ____
> Ed Tanton N4XY   EMAIL: n4xy@att.net
> 189 Pioneer Trail
> Marietta, GA 30068-3466   TEL: (770)579-3933 V/MBX/FAX
> ____
> INTERESTS: QRP BoatAnchors Test Equipment Photography
> CW: 99.9% Mercury Paddle # 0214 QRP to 150W: 95%
> ~~~~~~
> "Think you can, think you can't: either way you're right!" Henry Ford
> ~~~~~~
>
>

Date: Tue, 26 May 1998 23:45:22 -0700
From: Bill Todd <bill@willapabay.org>
To: pharden@aoc.nrao.edu
Cc: qrp-l@Lehigh.EDU
Subject: [11845] Re. And speaking of Short Wave
Message-ID: <1.5.4.32.19980527064522.00668f8c@willapabay.org>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Paul, NA5N wrote last week,
"Now how is an alien spacecraft, like the one that bumped into Galaxy-4
yesterday, gonna get a 6 MHz signal INTO the earth? It works both ways,
fellas."

Funny thing Paul...I happened to be listning to my Space Ranger Walkie
Talkie the night the Galaxy-4 went off the air...and I could swear I heard
someone say;
                 "Take me to your insurance carrier!"

CUL, Bill-N7MFB

--
http://www.willapabay.org/~bill
ICQ me at #8926298

Date: Wed, 27 May 1998 09:01:01 +-200
From: Uwe Cappeller <cappelle@mailer.uni-marburg.de>
To: "'qrp-l@lehigh.edu'" <qrp-l@Lehigh.EDU>
Subject: [11846] Sierra modification?
Message-ID: <01BD894D.FA1047E0@pc1493.Phys-Chemie.Uni-Marburg.DE>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Hi gang,

I am searching for Sierra modification but I do not have the QRPp(Winter). Is it
possible that someone send me the mods via e-mail?

72 de Uwe
DL5FDK
G-QRP *9326*
DL-QRP-AG *GM*

Date: Wed, 27 May 1998 07:24:02 +0100
From: "Tony Fishpool" <g4wif@btinternet.com>
To: "QRP-l" <qrp-l@Lehigh.EDU>
Cc: <kartys@ncs.gov>

Subject: [11847] Program for laying-out perf board?
Message-ID: <E0yeaEP-000558-00@praseodumium.btinternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Steven & the list.

The software that Dick G0BPS referred to (at FDIM) is called Stripboard magic. It cost just under 40 quid from a UK company called Ambyr. The phone number is +44 1635 521285, but probably more useful, is their web site http://www.ambyr.com

Kind regards
Tony - G4WIF/KI8CR

Date: Wed, 27 May 1998 03:19:51 -0400
From: Ed Tanton <n4xy@att.net>
To: QRP-L Reflector <qrp-l@Lehigh.EDU>
Subject: [11848] SGC COMES THROUGH
Message-ID: <3.0.5.32.19980527031951.00c52210@postoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

This is an early warning... I have not concluded things, and I want to wait for that, but let me say that SGC has responded to my recent problem in a VERY positive and TOTALLY satisfactory manner.

There will be more tomorrow, but I will want to make certain that I can make their response a public one-beyond the above statement. For those who did not think I would even hear from them: believe me, they couldn't have been nicer or more responsive. My feeling about that was that I might, and I might not, and it would say a lot about whether they wanted our (nothing 'royal' there-I mean all of us here on QRP-L) business, and more. And I would know what to do in either case. Now I know.

These results stem from one email copy (of the earlier email) to them about my problem with Universal Radio. No phone calls to SGC and attempted-name-dropping, no begging or yelling or anything else. One email, addressed to SGC Marketing with no name, and the response was received here by the end of their first business day.

Let me also say, in fairness, that there was a message from Univ. Radio on that same-now infamous-answering machine when I got back from younger son's baseball game. I will call tomorrow, and see what they have to say... and

probably report that back too-as appropriate. If it's entirely negative, I will not have anything else to say-there's been enough of that in my first email.

Tomorrow is going to be an interesting day all the way around.

I'll let y'all know. (This is the Deep South you know.)

P.S. They won the ballgame.
73

_____
Ed Tanton N4XY EMAIL: n4xy@att.net
189 Pioneer Trail
Marietta, GA 30068-3466 TEL: (770)579-3933 V/MBX/FAX
_____
INTERESTS: QRP BoatAnchors Test Equipment Photography
CW: 99.9% Mercury Paddle # 0214 QRP to 150W: 95%
~~~~~~
"Think you can, think you can't: either way you're right!" Henry Ford
~~~~~~

Date: Wed, 27 May 1998 13:08:34 +0200
From: Markus_Zimmermann.atraxis.ZRH@sairgroup.com
To: qrp-l@Lehigh.EDU
Subject: [11849] Argosy IID for swap/trade
Message-ID: <C1256611.003CEE5C.00@athena.zrh.sairgroup.com>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii

I have an Argosy IID (new, never used) that I would like to
trade for a GRC-109 or RS-6 (military rigs).
Alternatively, I would like to trade for an Argonaut 515 or Argosy 525
(analogue version).

tnx es 73 - Markus, HB9JNH
E-mail: mzimmerm@sairgroup.com
or 100724.2637@compuserve.com

Date: Wed, 27 May 1998 07:43:44 -0400
From: Sam Billingsley <SBillingsley@usaninc.com>
To: "GQRP-list (E-mail)" <gqrp-l@blacksheep.org>, "Qrp-L (E-mail)" <qrp-l@Lehigh.EDU>
Subject: [11850] RE: Trouble Finding Match Using LDG Tuners
Message-ID: <21E06269B00ED111BE9B00805F6D0FA326B158@MAILSERVER1>
MIME-Version: 1.0
Content-Type: text/plain

LDG send the following comments regarding my post. I hope it helps someone.

Sam AE4GX

> Sam,
>
> You are exactly right about the keyer. During the tuning cycle, the
> algorithm samples the swr every 5 milliseconds. If you use the "dash"
> on
> your keyer, it will miss 25% of the samples (assuming three parts on,
> one
> part off for CW).
>
> Since there is usually about 300 samples taken (on the average tune),
> you
> will have missed 75 of them. That would surely cause the intermittant
> problems that you have been seeing.
>
> This is the first time I have heard of someone using the keyer on the
> autotuner. I can see where it would be handy with a manual one given
> the
> delay time of a typical analog meter.
>
> Thanks for pointing out the potential problem to the group and glad
> that
> you solved it without too much trouble.
>
> Dwayne Kincaid
> WD8OYG
>
> ----------
>   LDG Electronics
>   1445 Parran Road, St.Leonard MD 20685 USA
>   Phone: 410-586-2177
>   Fax: 410-586-8475
>   e-mail: ldg@ldgelectronics.com
>   web site: http://www.ldgelectronics.com

> --
> >Problem:
> >When I'm portable I usually have a much shorter piece of wire for the
> antenna 20-40 ft but usually try to have a 1/4 wave wire >counterpoise
> regardless of how I have to fit it into the surroundings. My tune up
> procedure is the same using my INDEX QRP+ at >ery short wire antennas
> the tuner software will search for the match quite a number of seconds
> and if a less than 3:1 cannot be >found it simply locks up in tune
> mode. I can usually go in manual mode and find a match that's less
> than 2:1 but it takes a while to >ind it. In manual mode you can
> change the CAP and /or IND settings by pulsing the toggle switches (on
> QRP model) or push >buttons(on QRO model) keying the TX with a keyer
> DASH and check the SWR readings.
> >
> >Solution:
> > think I stumbled on the solution to my problem and maybe yours. In
> auto mode the tuner is constantly looking to make sure that >the SWR
> is less than 3:1 and if it sees higher it will automatically try to
> find a better setting. When you key the TX using your >KEYER depending
> on the WPM speed the TX will key down for the DASH length and then go
> off. If the tuner software is still >searching it may change the
> settings during these off periods and miss the proper one. I don't
> know how the software algorithm >works but this may explain why
> sometimes the tuner never finds a good match when using the rig's
> keyer. It's sort of a roll the dice >situation. But by manually keying
> the TX with a constant ON "key down" situation the tuner finds the
> best setting quickly and >you're in business. I had to plug in a
> manual key just for the tune up activity. Its got to be a BIG savings
> on possible RF AMP >damage during the previously extended tune-up
> periods. More importantly the auto tune with the manual key down will
> definitely >find the best and quickest match.
>

Date: Tue, 26 May 1998 21:42:36 CDT
From: tedkell@juno.com (Ted Kell)
To: qrp-l@Lehigh.EDU
Subject: [11851] Re: [11587] Pi redefined
Message-ID: <19980527.065143.27054.15.tedkell@juno.com>

I served in the Air Force for three years in Montgomery, and even tho' I
know it is _probably_ a hoax, I would believe it. It's just what they
would have done. :)

Ted Kell
KC5CUW

Near the Johnson Space Center
Houston, Texas
<tedkell@juno.com> -or- <tkell@nyx.net>

On Tue, 26 May 1998 10:45:46 -0400 Dan Halbert <halbert@bbn.com> writes:
>The purported news article about the Alabama legislature redefining pi
>is
>a hoax. I refer you to:
>
>   http://www.usatoday.com/life/cyber/tech/ctc676.htm
>   5/8/98: "Net Hoax on pi just won't die"
>
>Dan, KB1RT
>
>

_____
You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at http://www.juno.com
Or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 26 May 1998 21:24:18 CDT
From: tedkell@juno.com (Ted Kell)
To: qrp-l@Lehigh.EDU
Subject: [11852] Re: Elmer: Basic building & soldering stuff
Message-ID: <19980527.065143.27054.13.tedkell@juno.com>

I received a copy of the Fair Radio Sales catalog in the mail today. All
kinds of neat boat anchor type stuff, but on page 10 they have

Weller Solder/de-solder atation with TCP-24G 48 W pencil iron, eight
solder tips from 3/64" toi 1/8" wide, 600 or 700 F; six de-solder tips
with orifices .038" to .090"; and 2.5"h X 13" W X 4" D steel carrying
case. Requires 115 VAC 60Hz; 7 Lbs. #WTCPK, UNUSED $69.50

419-223-2196/227-6573   fairadio@wcoil.com
<http://www2.wcoil.com/~fairadio>

Ted Kell
KC5CUW
Near the Johnson Space Center
Houston, Texas
<tedkell@juno.com> -or- <tkell@nyx.net>

On Mon, 25 May 1998 21:56:12 -0600 Niel Skousen <nskousen@scientech.com>
writes:

>1) As for an iron, my personnal preference is Weller. A soldering
>station ($100 - $250 new, $25 - $50 used) is nice to have, but you
>will do
>very well with a pencil iron for $30 new . A wire stand is also very
>handy, the one listed below also holds a small sponge used damp to
>keep the
>tip clean.

>Niel
>
>----- -.. . .-- .- --... ... .-   -----
>Niel Skousen : WA7SSA   skousen@srv.net
>Idaho Falls, ID   QRP-L.119   fr DN33wm
>
>
>
>

____
You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at http://www.juno.com
Or call Juno at (800) 654-JUNO [654-5866]

Date: Wed, 27 May 1998 06:24:43 -0600
From: Jess Gypin <jessqrp@concentric.net>
To: jjmcd@mdn.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [11853] Re: Antenna tuner recommendations
Message-ID: <356C060B.B3628D6C@concentric.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I use the same tuner and got tired of the jumpers. The meter is failry accurate
down at the lower scales. I drilled the case and installed a double pole,
single throw switch in the case and ran the wires to the jumpers. Doesn't even
look bad and now I can select high and low power from the outside.

Jess

John J. McDonough wrote:

> > From: eakwik@mail.hac.com; owner-qrp-l@Lehigh.EDU
> >
> >   yet. I am looking for a turner/SWR meter combo. I use balanced
> >   feedlines and only operate QRP. What does everybody use? Thanks
> >   in advance.
>
> I'm using an MFJ-971 with great results. It's not automatic, and sometimes
> I lust after an automatic tuner, but the little MFJ has been pretty
> amazing. It will NOT load anything, however ... it seems to need something
> resembling an antenna. It has a cross needle SWR meter with scales down to
> 3 watts. I have to admit, I sometimes find it a little clumsy - you have
> to swith jumpers to choose between 3/30 and 30/300 watt scales, and the
> switch between the 2 selected is on the back. I generally leave it on the
> 30/300 jumper setting because once in a while I turn up the power, but when
> I drag out the Pixie, it's a pain to go inside and move jumpers to get the
> 3 watt scale. so 90+ percent of the time it stays on the 30 watt scale,
> which is fine because 5 watts ends up just about in the middle (the scale
> isn't linear).
>
> 73 de WB8RCR

--
Jess N0TFI <><
http://www.concentric.net/~jessqrp Personal Home page
http://qsl.net/n0tfi/bug.html Bug Stories

Date: Wed, 27 May 1998 11:28:01
From: "KA5T Larry Wise" <lewise@inetport.com>
To: "qrp" <qrp-l@Lehigh.EDU>
Subject: [11854] Re: More KC-1 help needed!
Message-ID: <199805271229.HAA29087@admin.inetport.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

David:

I got tired of this problem and solved it by making a short cable for the
paddles which reverses the two wires.....Keep it with the
paddle and keyer.....Sure comes in handy.....

Larry KA5T

Georgetown, Texas
lewise@inetport.com

Date: Wed, 27 May 1998 07:57:33 -0600
From: "Evert R. Halbach" <cs-erh@nich-nsunet.nich.edu>
To: qrp-l@Lehigh.EDU
Subject: [11855] NA logging software...
Message-ID: <2B7BCEB395F@nich-nsunet.nich.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7BIT

Hello Group!

Does anyone use NA logging software for smaller contest? Was trying to set it up for Hoot Owl Sprint and Memorial Day but didn't have any luck. Was wondering about how to set it up with multipliers, etc.?? Can this be done or do these contest have to be manually recorded on paper? The manual is kind of "cloudy" on some of this. There are a couple of contests that are there already but not all of them.

BTW, it wouldn't surprise me if our legislators wouldn't try to change or even delete Pi. We would probably end up with some round squares or square circles? After all, they already "jacked" with the clocks and thinking about changing the calendar. Some of the things they do "frighten" me.....

Hope all of you had fun in the contests. I had to go shrimping at the camp but plan to get into future contests.....

73 de WA5OJI Evert

Evert R. Halbach WA5OJI
Internet - cs-erh@nich-nsunet.nich.edu

Phone   - (504) 448-4993
Snail   - P.O. Box 2168   Thibodaux, La. 70310
Home - 117 Sawmill Rd., Thibodaux, La. 70301

Date: Wed, 27 May 1998 07:26:55 +0100
From: Leon Heller <leon@lfheller.demon.co.uk>
To: kartys@ncs.gov
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [11856] Re: Program for laying-out perf board?
Message-ID: <b+QCZBAvI7a1EwMJ@lfheller.demon.co.uk>
MIME-Version: 1.0

In message <CFF17B766475D111B50900204804F0DF7F320A@rbmail100.chamb.disa.
mil>, "Karty, Steven" <kartys@ncs.gov> writes
>At the FDIM QRP Symposium last week, someone mentioned that there is a
>software program for laying-out standard Radio Shack-type perf boards (the
>printed circuit boards which have been pre-etched for standard IC patterns
>and extra interconnecting tracks). Unfortunately, they couldn't recall any
>specifics, like the program's name or where I might be able to get a copy.
>Hopefully, this won't be another wild goose chase (like the warehouse full
>of brand-new WW-II Jeeps for only $50 each). Can anyone give me any hints?

A program called Stripboard Magic has recently been produced for
designing Veroboard layouts. It's available from Maplin. This might have
been what he was referring to.

Leon
--
Leon Heller: leon@lfheller.demon.co.uk http://www.lfheller.demon.co.uk
Amateur Radio Callsign G1HSM   Tel: +44 (0) 118 947 1424
See http://www.lfheller.demon.co.uk/dds.htm for details of my AD9850
DDS system. See " "/diy_dsp.htm for a simple DIY DSP ADSP-2104 system.

Date: Wed, 27 May 1998 08:38:59 -0500
From: Dwight W9YQ <dgbcms@netnet.net>
To: "qrp-l@Lehigh.EDU" <qrp-l@Lehigh.EDU>
Subject: [11857] QRP Goodies forsale
Message-ID: <356C1773.E1949491@netnet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ramsey 40 meter QRP, HR-40, all mode receiver, assembled, includes manual,
matching case and knob Set, new and assembled

Ramsey 40 meter, QRP-40, 1 watt, CW Transmitter, assembled, includes manual and matching case and knob Set, new and assembled

Ramsey E-Z Key CMOS CW Keyer Model no. CW-7, includes manual and matching case, new and assembled

Ramsey FHT-1 Fox-Hunt, 2 Meter, 5W Transmitter, no case, 80% assembled, no manual

Ramsey AA-7 All Band HF, VHF, UHF Active Antenna, manual, no case, new and assembled

$175.00 shipped anywhere in the U.S.A.

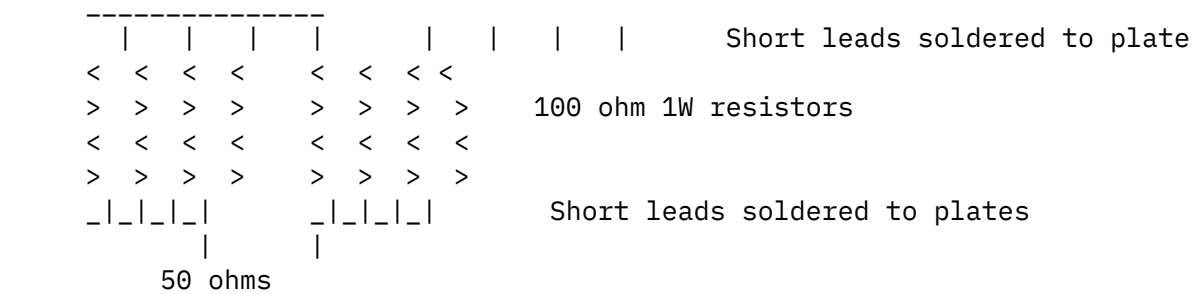
--
73 ... Dwight ... de W9YQ

Date: Wed, 27 May 1998 08:43:45 -0500
From: Chuck Carpenter <w5usj@webwide.net>
To: FrConrad <FrConrad@aol.com>
Cc: QRP-L@Lehigh.EDU
Subject: [11858] "non-reactive" resistors
Message-ID: <3.0.1.32.19980527084345.0069f0f4@mail.webwide.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

John, and Group,

Radio Shack has 100 ohm, 5%, 1 W metal oxide resistors -- PN 271-152. A pair of these fits nicely inside a PL259 connector. Potting with silicon grease, such as that used with Andrew heliax connectors, would provide some additional heat sink.

A series/parallel arrangement would get you to about 8 watts -- keep the leads as short as possible. I've used small copper plates drilled to accept the lead-size of the resistors to minimize the inductance. The leads will be the contributor to inductance the metal film is essentially non-inductive at HF frequencies.



72/73 -- Chuck, W5USJ, EM22cv

Date: Wed, 27 May 1998 07:53:54 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: MJC 191 <MJC191@aol.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [11859] Re: Ten Open
Message-ID: <Pine.SOL.3.91.980527075229.27362B-100000@gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Way to go Mike...still monitoring here in Regina and still no foxii heard
on 10 mtr but one of these days I will officially get a fox...HI HI...72
- Bruce(VE5RC)

Date: Wed, 27 May 1998 08:57:29 -0500
From: John Burnley <JBurnley@ifmc.org>
To: qrp-l@Lehigh.EDU
Cc: rgobrick@worldnet.att.net
Subject: [11860] IAQRP net freq correction
Message-ID: <s56bd593.086@ifmc.org>
Mime-Version: 1.0
Content-Type: text/plain
Content-Disposition: inline

Ooops I goofed in my previous post! The IAQRP net freq is
3.710 Mhz. Another finger check! The net meets Sundays at
4:30 pm (CDT). The freq and time may change in the future.

I also blundered in my previous post by not mentioning Mark
(KQ0I) who has kept the Iowa QRP group up-to-date on
operating events and contests. My apologies Mark!

72/73,   John   NU0V

Date: Wed, 27 May 1998 10:06:39 -0400
From: Zack Lau <zlau@arrl.org>
To: qrp-l@Lehigh.EDU
Subject: [11861] Re: Batteries: NiMH worth the extra 20621
Message-ID: <356C1DEF.756D@arrl.org>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

How exactly are you abusing your Nicads?

Disposable alkalines might make more sense in some
abusive situations, particularly if you convert an
abused battery pack into a DC adapter and only use
the batteries when really required (LM2940 regulator
works well)--Zack W1VT

Date: Wed, 27 May 1998 08:08:25 -0600
From: "Bob Follett" <bfollett@ditell.com>
To: "QRP-L Group" <qrp-l@Lehigh.EDU>
Subject: [11862] Charging Hydride Batteries
Message-ID: <01bd8978$ea41bee0$d636b3cf@newmicronpc>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Gang:

Vince wrote:

<<The user's manual that came with the battery does not say anything about a

different charger, quite the contrary, it says to use the same charger used with the old NiCad.
It does mention the NiMH battery gets hotter than the NiCad while being charged, but it says it's normal.>>

Well, thats part of the story. In a charger designed for C/10 output for an equivent SIZE NiCad, the output will be less than C/10 for the Hydride. Which means a completely discharged one will need about 24-26 hours for a complete charge. Some people, not following this, wrongly get discouraged from their performance.

On the other hand, a high current rapid charger built for only NiCads will not do a proper voltage cutoff with the MH batts, thus the stories about fire/explosion.

Summery: If you want to use these things, either buy a charger that is designed for their charging requirements, or use a slow charger, and take into account that what was C/10 for NiCads is around C/15 for MH, and thus, they need about 50% more time on the charger. (Some slow chargers DO support both kinds of batteries)

Further, there are a few other reasons to NOT use NiMH batts. They self-discharge rapidly, and their cost/performance is ellipsed by Lithium batts. Cost is about the same, and if you need a new charger, you might as well build one for Lithiums, and get the benefits of both low-self discharge and highest power/size/weight ratio.

For those that missed it, my post of a couple weeks ago mention a detailed article in Radio Control Modeler -- this months issue -- that covers Lithium charger construction and battery source.

73, Bob

Bob Follett AB7ST, QRP-L # 129, NorCal, ARCI, 10-10, ARS
2861 Estates Dr.   VOICE: 801.649.6457
Park City, UT 84060   E-mail: bfollett@ditell.com

Date: Wed, 27 May 1998 08:07:34 -0600
From: Brad Mugleston <bmug@gwl.com>
To: "'cw'" <cw@qth.net>, "'qrp-l'" <qrp-l@Lehigh.EDU>
Subject: [11863] Key ID
Message-ID: <01BD8946.827BA820@pps-pc10.gwl.com>

MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: quoted-printable

Good morning,

A few years ago I purchased a 5 gallon bucket full of stuff at a garage =
sale. In the bucket was a straight key which I quickly lost. Well it's =
been found. Can anyone help me identify it?

the only markings on it are:

C.L.T.
26001-B

It is white in color (it looks like brass with a nickel plating). There =
is a shorting bar. It's in great shape, I haven't had it on the air yet =
but it feel fine.

Thanks

de KB0ROL, Brad

Date: Wed, 27 May 1998 08:16:58 -0600
From: Brad Mugleston <bmug@gwl.com>
To: "'qrp-l'" <qrp-l@Lehigh.EDU>
Subject: [11864] Elmer 101
Message-ID: <01BD8947.D268AA80@pps-pc10.gwl.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: quoted-printable

Forgive me. I couldn't stand it so I built the whole thing over the =
weekend. It doesn't work!!! Well it doesn't hear.

Transmit is 102.9 to 138.1 but I don't hear a side tone. On receive =
there is only static. Before I grounded Y1 to Y4 touching these =
crystals picked up a local AM station - with these grounded no more talk =
show. Touching the resistor next to U4 does create a buzz and I get =
crud on the resistor next to U3.

I really don't want anyone to tell me what I've done wrong - if it's =
that obvious. BUT I would like some hints as to what to check. =20

If this has already been discussed let me know the approximate date as I =

am about a week or two behind in my digest reading.

To recap:

I have the 30M version
No signals on receive
On key down receive noise goes away but I don't get a side tone
I've checked the basic touch me Elmer tricks and get the expected =
results

I'm going to run the voltage checks as listed in the manual as soon as I =
get more time.

Thanks

de KB0ROL, Brad

Date: Wed, 27 May 1998 10:19:15 -0400
From: "Vincent Ferme" <vferme@sprint.ca>
To: <bfollett@ditell.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [11865] Re: Charging Hydride Batteries
Message-ID: <007101bd897a$6f4dff80$811205d1@frsswilap04284.callnetcanada.com>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Bob and Group,

From: Bob Follett <bfollett@ditell.com>
>Summery: If you want to use these things, either buy a charger that is
>designed for their charging requirements, or use a slow charger, and take
>into account that what was C/10 for NiCads is around C/15 for MH, and thus,
>they need about 50% more time on the charger. (Some slow chargers DO
support
>both kinds of batteries)

You are right, the manual does say it will take about 50% more time to fully
charge the battery. I am using a slow charger but don't recall seeing any
reference to rapid chargers in there. The manufacturer is assuming a slow
charger, I guess.

>Further, there are a few other reasons to NOT use NiMH batts. They

>self-discharge rapidly, and their cost/performance is ellipsed by Lithium

That has not been my experience so far, will keep an eye on it.

There seems to be a lot of difference between NiCads as far as performance goes. My camcorder batteries never gave me the rated performance, on the other hand, I can't believe how long my Kenwood PB-12 battery pack is lasting.

Thanks for the additional info.

73 de Vince, VE3VFN.

Date: Wed, 27 May 1998 10:10 -0700 (PDT)
From: eakwik@mail.hac.com
To: qrp-l@Lehigh.EDU, w5usj@webwide.net
Subject: [11866] Re: "non-reactive" resistors
Message-ID: <0ETM00F02DPCK9@mail.hac.com>
MIME-version: 1.0
Content-type: MULTIPART/MIXED; BOUNDARY="Boundary_(ID_Lvhqd2sZ/OGhbqof8Kr49Q)"

--Boundary_(ID_Lvhqd2sZ/OGhbqof8Kr49Q)
Content-type: TEXT/PLAIN; CHARSET=ISO-8859-1

Antique Electronic Supply has 1 and 2 watt metal oxide resistors.
 13 cents each for 1 watt, 19 cents each for 2 watt.
602.820.5411

Ed Kwik KC8JIE QRP-L# 1444

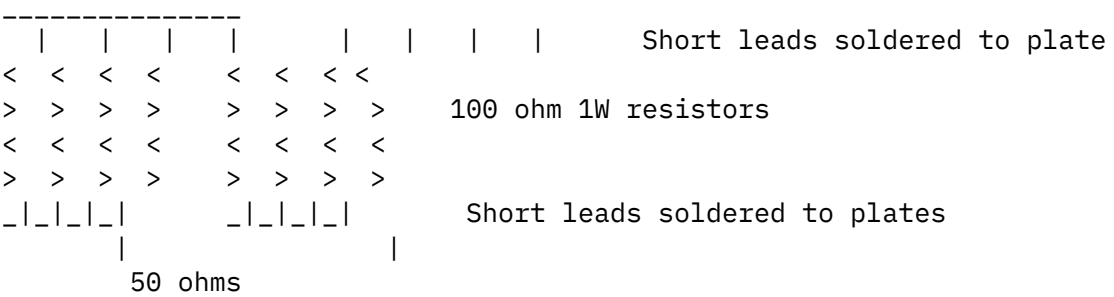
_____ Reply Separator _____
Subject: "non-reactive" resistors
Author: w5usj@webwide.net at mime
Date: 5/27/98 6:43 AM

John, and Group,

Radio Shack has 100 ohm, 5%, 1 W metal oxide resistors -- PN 271-152. A pair of these fits nicely inside a PL259 connector. Potting with silicon

grease, such as that used with Andrew heliax connectors, would provide some additional heat sink.

A series/parallel arrangement would get you to about 8 watts -- keep the leads as short as possible. I've used small copper plates drilled to accept the lead-size of the resistors to minimize the inductance. The leads will be the contributor to inductance the metal film is essentially non-inductive at HF frequencies.



72/73 -- Chuck, W5USJ, EM22cv

--Boundary_(ID_Lvhqd2sZ/OGhbqof8Kr49Q)
Content-type: TEXT/PLAIN; CHARSET=ISO-8859-1

RFC-822-headers:
Received: from CONVERSION-DAEMON by mail.hac.com (PMDF V5.1-10 #26245)
 id <0ETM00J01BL1T8@mail.hac.com> for "edward a jr kwik"@mime.mail.hac.com;
 Wed, 27 May 1998 06:46:14 -0700 (PDT)
Received: from PROCESS-DAEMON by mail.hac.com (PMDF V5.1-10 #26245)
 id <0ETM00J01BL0T4@mail.hac.com> for "edward a jr kwik"@mime.mail.hac.com;
 Wed, 27 May 1998 06:46:13 -0700 (PDT)
Received: from fw-es05.hac.com by mail.hac.com (PMDF V5.1-10 #26245)
 with ESMTP id <0ETM000UOBL0KO@mail.hac.com> for
 "edward a jr kwik"@mime.mail.hac.com; Wed, 27 May 1998 06:46:12 -0700 (PDT)
Received: from fidoii.CC.lehigh.EDU ([128.180.1.4])
 by fw-es05.hac.com (8.8.4/8.8.4) with ESMTP id GAA04697 for
 <eakwik@mail.hac.com>; Wed, 27 May 1998 06:46:11 -0700 (PDT)
Received: from Lehigh.EDU ([127.0.0.1]) by fidoii.cc.Lehigh.EDU with SMTP id
 <12716-28404>; Wed, 27 May 1998 09:44:54 -0400
Received: from nss4.cc.Lehigh.EDU ([128.180.1.13]) by fidoii.cc.Lehigh.EDU with
 ESMTP id <12733-29934>; Wed, 27 May 1998 09:44:08 -0400
Received: from ultra.unicomp.net ([209.41.64.44])
 by nss4.cc.Lehigh.EDU (8.8.8/8.8.5) with ESMTP id JAA55490 for

 <QRP-L@Lehigh.EDU>; Wed, 27 May 1998 09:43:59 -0400
Received: from carpenter (cpu209-41-110-38.unicomp.net [209.41.110.38])
 by ultra.unicomp.net (8.8.8/8.8.8) with SMTP id IAA08503; Wed,
 27 May 1998 08:43:13 -0500 (CDT)
Date: Wed, 27 May 1998 08:43:45 -0500
From: Chuck Carpenter <w5usj@webwide.net>
Subject: "non-reactive" resistors
Sender: owner-qrp-l@Lehigh.EDU
X-Sender: w5usj@mail.webwide.net
X-To: FrConrad <FrConrad@aol.com>
X-CC: QRP-L@Lehigh.EDU
Reply-to: w5usj@webwide.net
Message-id: <3.0.1.32.19980527084345.0069f0f4@mail.webwide.net>
MIME-version: 1.0
X-Mailer: Windows Eudora Light Version 3.0.1 (32)
Precedence: bulk
X-Listprocessor-version: 8.1 beta -- ListProcessor(tm) by CREN

--Boundary_(ID_Lvhqd2sZ/OGhbqof8Kr49Q)--

Date: Wed, 27 May 1998 08:09:03 -0700
From: Bill Jones <kd7s@psnw.com>
To: qrp-l@Lehigh.EDU
Subject: [11867] Perfboard Layout Software
Message-ID: <356C2C8F.28908F98@psnw.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Thanks to Tony Fishpool and Leon Heller for the information on "Stripboard Magic" software. It looks like something many of us could use. Now all I have to do is figure out how many U.S. dollars there are in a British pound.

Are there any known distributors of Stripboard Magic on this side of the pond?

==========
Bill Jones - KD7S <><
Sanger, California
http://www.psnw.com/~kd7s
==========

Date: Wed, 27 May 1998 11:08:58 -0400
From: McNelly <72507.235@compuserve.com>
To: qrp-l@Lehigh.EDU, Kent Torell <torell@sicom.com>
Subject: [11868] Re: Sierra Mod scary looking
Message-ID: <199805271111_MC2-3E4A-82B8@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

>Sounds like an oscillation. Can you check with the scope up the chain?
>Possibly the filter out of the vco premixer is tuned off/tuned broad.
>
>Kent Torell   torell@sicom.com   602-607-4852
>SICOM   7585 E. Redfield, #202   Scottsdale, AZ   85260

Thanks Kent!

That was it! Realigned C64 and C66 and it took most of it away.

It's odd that when I peak the trimmers for the cleanest sinewave out of
each mixer stage that I don't end up with enough drive to put any power
out. I guess amplitude is more important than a pure sinewave.

72/73's,

--Rick, KE4IZH

QRP-L # 493
72507.235@compuserve.com
Chesapeake, Va.
MP2.1K

Date: Wed, 27 May 1998 11:17:33 -0400
From: Michael Maiorana <mikemo@ibm.net>
To: bmug@gwl.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [11869] Re: Elmer 101
Message-ID: <356C2E8D.4469@ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Brad Mugleston wrote:
>
> Forgive me. I couldn't stand it so I built the whole thing over the weekend.
It doesn't work!!! Well it doesn't hear.

Thats what you get for jumping ahead of the class ;-)

> Transmit is 102.9 to 138.1 but I don't hear a side tone. On receive there is
only static. Before I grounded Y1 to Y4 touching these crystals picked up a local
AM station

I'm assuming that your transmit frequencies are 10.1029 MHz to 10.1381
MHz. Is this right? Sidetone is generated by receiving a small part of
the transmitted RF through the receiver. Makes sense that if you don't
have receive that you don't have a sidetone.

I guess you have a freq. counter since you know the transmit
frequencies.

Check the installation of the RF gain pot. Make sure that the wiper is
all the way up, 0 ohms to the primary of T1.

Is U3 oscillating? You should be able to check this with your freq.
counter. If it's not then you wont get any detection as this section
converts IF freq's to audio freqs.

Is the VFO signal making it to pin 6 of U1?

I built an NW 80/20 and had a similar problem. Ended up that the IF
transformers in the receive section were way out of whack. I needed an
RF generator to even find a signal. Once I found a signal it was easy to
tweak in for a good receive.

Good luck,
--
72 de ku4qo
Mike Maiorana
Palm Harbor, FL

"Have a great day, and enjoy whatever liberty you have remaining!"

Date: Wed, 27 May 1998 11:22:47 EDT
From: ARDUJENSKI <ARDUJENSKI@aol.com>
To: qrp-l@Lehigh.EDU
Subject: [11870] PREFIXES?
Message-ID: <fd8b09e.356c2fcd@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Could someone direct me to a site that lists all the prefixes for countries. I find that many countries are not listed for example on the back of the ICOM poster and BUCKMASTER has limited entries. Please resond directly to save bandwidth.
Thanks...Alan KB7MBI

Date: Wed, 27 May 1998 08:20:47 -0700 (PDT)
From: KB0VCC/1 <kb0vcc@rocketmail.com>
To: qrp-l@Lehigh.EDU
Subject: [11871] Re: Pacificon CW Test
Message-ID: <19980527152047.9145.rocketmail@attach1.rocketmail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

>I will conduct a Morse Code test starting at 15wpm and going to
>the fastest speed any contestant can get to. We will go
>in increments of 5 wpm, thus speeds will be 15, 20, 25, 30,
>35, 40, 45, 50, 55, ...

  Gee, can that be simulcast? Say, on 20m? QRP of
  course. Hey, if W1AW can do it, why not Chuck? ;*)

  72/73,
  -Dale

===
 Dale Anderson   In the Mt Washington Valley
 KB0VCC   Conway, New Hampshire
 QRP-L #91 / CQC #251   Grid Sq: FN43KX
 ARS #234 / FISTS #3172   http://www.qsl.net/kb0vcc
===

_____
DO YOU YAHOO!?
Get your free @yahoo.com address at http://mail.yahoo.com

Date: Wed, 27 May 1998 09:37:47 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [11872] IROESK
Message-ID: <199805271536.JAA01144@edison.chisp.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Hi, L.B.--

Just wanted to let you know I was able to get a copy of the IROESK article and the CQC board will be talking it over at a board meeting tomorrow night. Looks like it could be a project. Thanks...
73
Marshall Emm
N1FN/VK5FN
n1fn@mtechnologies.com
Milestone Technologies
Software, keys, kits, tools...
http://www.mtechnologies.com
(303)752-3382
--

Date: Wed, 27 May 1998 11:42:52 -0400
From: Michael Maiorana <mikemo@ibm.net>
To: ARDUJENSKI@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [11873] Re: PREFIXES?
Message-ID: <356C347C.2A9A@ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

ARDUJENSKI wrote:
>
> Could someone direct me to a site that lists all the prefixes for countries. I
> find that many countries are not listed for example on the back of the ICOM
> poster and BUCKMASTER has limited entries. Please resond directly to save
> bandwidth.

Not to be a pain, but isn't this the kind of thing we DO want posted to
the list?
I could see private responses to "opinions" or "parts wanted" or "for
sale" posts. But everything that is relavent to the hobby should be
posted. It may keep the signal to noise ration higher ;-) I find it
frustrating not to see the answers to questions.

The only thing I would say is to go through all your mail before you
answer a question, just to make sure that it is not a duplicate post.

Thanks for the bandwidth.....
--
72 de ku4qo
Mike Maiorana
Palm Harbor, FL

"Have a great day, and enjoy whatever liberty you have remaining!"

Date: Wed, 27 May 1998 15:58:59 +0000
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [11874] Webpage updated with 160 Meter TX loop.
Message-ID: <356C3843.12E6@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

http://www.qsl.net/we6w/projects/160_loop.txt

Have added my short transmitting loop for 160 Meter
band.

Enjoy.
--
72, Ed, WE6W/qrp CW ONLY; Proud Member: QRP-L/ARCI/Norcal/ARS/AR
http://www.qsl.net/we6w (Enjoying Ham Radio every day.)

Date: Wed, 27 May 1998 09:59:38 -0600
From: wa5whn@juno.com
To: qrp-l@Lehigh.EDU
Cc: vole@primenet.com, pharden@nrao.edu
Subject: [11875] High in the Gila Wilderness with a backpack & radio :) {long}
Message-ID: <19980527.095947.11862.1.wa5whn@juno.com>

qrp-lers,

WOW !! The vistas from on high in the Gila {pronounced "he-la"} National Forest {~ 4 million acres} is some of the Nation's best. {SW NM USA, maidenhead grid square: DM53}.

Places where Geronmino & Victorio {Apache Chiefs} & even Butch Cassidy had evaded their enemies a century earlier. Places with names like Bearwallow Mountain, Whitewater Baldy, Elk mountain, Deadman Spring, plus many others. Where gold & silver had lured many a miner into this rugged envoirment & lifestyle.

What does this have to do with qrp radios ? A qrp adventure, with small radios, who could resist ?

My lovely bride {WB5LYJ} & I had decided to go camping & hiking in this rugged terrain. I had packed 2 radios {Small Wonders Labs GM-40 & GM-20} into a day pack. The SUV has an IC-706 mounted in the dash, so that radio would be of use in basecamp. I carry tuned dipoles for 20 & 40 meters, in the backpack.

40 meters sounds like the QRN is winning, but 20 meters was a different story.

Hiking up to 10,000+ feet asl, with views beyond description into SE AZ USA, and the upper Sonoran desert had left the both of us just in awe of the what nature had presented to us.

Quick dummy, put an antenna up into one of those tall ponderosa pines {60 to 100 feet tall, probably over 100 years old too}. A herd of elk cows come into view. The only other human presence, that we had noticed, was a white Ford Expedition, ahead of us, on Forest Road 141 with Texas license plates. They had disappeared into the forest. There was not much haze due to the smoke from Old Mexico.

Prior to driving into the Gila, I had checked in with the US Forest Service, several of their Rangers {volunteers} are also Hams. I am told that the fire danger is moderate & if we spot a fire, we are given a 24

hours emergency phone number to call.

I hear KF5OP on VHF, and give him a call. He is over at Elephant Butte Lake {ENE of my location ~ 120 miles} in his boat. He says "I wish I was where you are at now."

I pause for a moment, {Memorial Day weekend} and remember a few friends, who are now SKs, then hike ~ 6.0 miles back to basecamp.

We fire up the Coleman stove for some hot chocolate, and I start tuning around 40 meters cw. The QRN is still there. I copy K5ROV - Jim, {QRPer from San Angelo, Tx.}. I chat with him for about 20 minutes. He tells me that the smoke/haze, that is being carried by the winds north from old Mexico, is becoming a problem in southern Texas.

I switch to 15 meters and it's wide open. I work a few more stations, including some DX.

The Garmin 12XL GPS receiver is copying 8 satellites, S-9+ through the tall forest canopy. Elevation reads 8,654 feet asl. EPE is less than 60 feet. I double check the US Forest & topo maps to confirm that our location is correct. In case of a forest fire, I can give the US Forest Service my location {Lat./Long} & magnetic bearing to the fire. This provides the US Forest Service slurry bombers & smoke jumpers an IP & bearing to the fire, if they need to use the data.

I also monitor 146.52 MHz FM simplex on the hour {wilderness calling freq.}. Just a couple of AZ stations, near Tucson, talking about an upcoming satellite pass. The rest of the time, the freq. is quiet.

After a good nights sleep, and a view of tall ponderosa pines & bright stars, there is nothing like scrambled eggs & green chili in the morning. We were listening to a multitude of birds, while we were enjoying our green chili with eggs. :)

After breakfast, WB5LYJ & I hike down to one of the old gold mines, and I play with my VLF metal detector. Ah, this part is a secret. ;)

No really, it's a secret.

There is still quite a bit of snow, on the north slopes of the mountains. I am carrying my Hiker PUR Microfilter, for water. This is protection level #2, so as usual, boil all stream water, for hot chocolate, or tea, even after running the water through the microfilter.

We return to base camp.

I have a very nice chat with KA2X in upper State NY on 15 meters cw. 15 meters is open after sunset.

The following morning, we break basecamp vowing to return again, and head for the home QTH.

If you head towards the Gila Nationa Forest, a few suggestions that just may save your life. Check in with the US Forest Service. {Silver City, Reserve, Glenwood, Quemado Forest Service Offices} They are a wealth of information as to what Forest Roads are open & what the terrain conditions are. Always carry enough water, because you are climbing from a desert envoirment, up into a rugged mountain terrain. The roads are not paved & usually 1 lane in width {long drop off of those cliffs}. In the Wilderness part, there are no motorized vehicles allowed. Prior to entering the Gila National Forest, make sure you have a full tank of fuel, for your vehicle. 2 tanks would be even better in the vehicle. 98% of the time, we did not need a 4WD vehicle, but we did need the ground clearance {rocks, sometimes timber, and you will cross several streams very slowly, the further in you go}. The Gila is closed during the winter months. This is bear & mountain lion country too. Make sure all of your food is secured. We use metal containers that lock. I use a Delorme {www.delorme.com} NM Atlas & Gazetteer, and US Forest Service maps. I still carry a magnetic compass & topo maps of an area too. All of my radios are sealed in plastic zip lock bags, along with the batteries. What if I fall into a stream ? I need to find a 2 amp-hr. light weight battery pack. :)

If you hike up to east Elk mountain {Gila} you have a great view of the VLA to the NE on a clear day. Wave at Paul - NA5N.

Enjoy the wilderness, and bring along a small radio to play with too.

Oh, I had taken over 48 photos in this area, this trip.

Anyone want to go hiking in Denali National Park {Alaska} in a few years ?

72...Jay, WA5WHN DM65qd Albuquerque, NM USA

_____
You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at http://www.juno.com
Or call Juno at (800) 654-JUNO [654-5866]

Date: Wed, 27 May 1998 09:30:30 -0700
From: Andy Fox <foxes@theriver.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [11876] [Fwd: Perfboard Layout Software]
Message-ID: <356C3FA6.6B69EDC9@theriver.com>
MIME-Version: 1.0
Content-Type: multipart/mixed; boundary="------------2F79DC81090455E002D89D5B"

This is a multi-part message in MIME format.
--------------2F79DC81090455E002D89D5B
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

--
72/73 de Andy, KK7HV - QRP-L #1286 - Benson, AZ
--------------2F79DC81090455E002D89D5B
Content-Type: message/rfc822
Content-Transfer-Encoding: 7bit
Content-Disposition: inline

Message-ID: <356C2FDC.500DA79D@NOJUNKMAILtheriver.com>

Date: Wed, 27 May 1998 08:23:08 -0700
From: Andy Fox <foxes@NOJUNKMAILtheriver.com>
X-Mailer: Mozilla 4.04 [en] (Win95; I)
MIME-Version: 1.0
To: kd7s@psnw.com
CC: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: Re: Perfboard Layout Software
References: <356C2C8F.28908F98@psnw.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Bill,

I found a neat currency converter at

http://www.xe.net/currency/

some time ago. I just checked the link, so it's still valid.

GL
--
72/73 de Andy, KK7HV - QRP-L #1286 - Benson, AZ

--------------2F79DC81090455E002D89D5B--

Date: Wed, 27 May 1998 16:28:49 -0400
From: "Rich Dailey, KA8OKH" <ka8okh@som-uky.campus.mci.net>
To: qrp-l@Lehigh.EDU
Subject: [11877] Solar Quake video
Message-ID: <3.0.16.19980527161424.088fd84e@som-uky.campus.mci.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Maybe not strictly qrp, but for those who can receive NASA TV,
today's video file contains interesting SOHO video of a solar
quake, and it's associated tsunami wave, which was estimated at
over 2 miles high, and extended for tens of thousands of miles
along the "surface" of the sun. Big stuff.

NASA TV is available via C-band satellite on GE-2, transponder 9.

QRP- 10m is open between KY and MN with good signals.
Worked WN0I... 2 way qrp ssb, 5W.

...Rich

Rich Dailey, KA8OKH <ka8okh@som-uky.campus.mci.net>
The KA8OKH / KB4NPI Web - http://www.qsl.net/ka8okh

Date: Wed, 27 May 1998 13:06:02 EDT
From: beache@juno.com (Edward B Beach)
To: qrp-l@Lehigh.EDU
Subject: [11878] SG2020 -- More!
Message-ID: <19980527.130523.2719.0.beache@juno.com>

I just returned from the SGC web page and made a most interesting
discovery. Toward the bottom of the main page is a link that goes to a
TRANSMIT MODIFICATION page and details graphically and verbally exactly
how to modify the 2020 to transmit on all frequencies!! Very nteresting,
but why bother to restrict transmitting modes in the first place if they
are going to publish the means to defeat it?? Beats me. Go fugure.

72,73
Ted Beach
K4MKX

_____
You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at http://www.juno.com
Or call Juno at (800) 654-JUNO [654-5866]

Date: Wed, 27 May 1998 13:08:57 -0400
From: Dale Scott <dcscott@us.ibm.com>
To: <qrp-l@Lehigh.EDU>
Subject: [11879] ELMER 101: U5 Mixer Problem
Message-ID: <503010002096850000000 2L002*@MHS>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: quoted-printable

I am building the SW30+ and have run into a problem. When I completed =
Lesson
4, I observed that Q3 was switching properly and that there was a compl=
ex

waveform on pins 4 and 5 of U5. Feeling confident that all was well, I=
 moved
on to Lesson 5 and installed T2 and T3 and related components. The com=
plex
waveform observed on pins 4 and 5 of U5 are also present on the input o=
f T2 but
the output of T2 is flat. After checking all component values, orienta=
tion,
solder joints etc. I finally concluded that T2 was probably working as
designed, ie the input signal was outside of the bandpass of T2.

With that in mind I started backtracking and taking a closer look at th=
e
waveforms on U5 and made the following observations.

1) LO as measured at the base of Q2 is about 2.439 mhz and 2.6V p-p.
2) LO as measured at pin 2 of U5 is about 0.16 V p-p.
3) Pin 7 of U5 is a beautiful modulated sinewave (NOT WHAT I EXPECTED)=
. P-P
voltage is about .05 V and it appears to be a signal of about 24-25 mhz=
 moduled
by at about a 2.4-2.5 mhz rate. I was expecting to see a 7.68 mhz sine=
wave
here. I have rechecked Y5, RFC2, C28, and C29. All values are proper,=

connections look good, etc.

What should I be seeing on Pin 7 of U5? Assuming that what I am observ=
ing is
not right, any ideas of what might be wrong?

Thanks & 72 - - dale/w7hlo

Dale C. Scott
IBM -- Engineering Technology Solutions
(206) 587-2784 8/277-2784

Internet: (work) dcscott@us.ibm.com
                (home) dcscott@ibm.net
OV/VM: dcscott@ibmusm54
=

Date: Wed, 27 May 1998 18:18:53 +0000
From: "Frank G3YCC" <g3ycc@g3ycc.prestel.co.uk>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>, FrConrad@aol.com

Subject: [11880] Re: Query about "non-reactive" resistors
Message-ID: <E0yejrB-0005h5-00@hen.scotland.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

> Date: Mon, 25 May 1998 17:42:09 EDT
> Reply-to: FrConrad@aol.com
> From: FrConrad <FrConrad@aol.com>
> To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
> Subject: Query about "non-reactive" resistors
> X-To: QRP-L@Lehigh.EDU

> Is there such a thing as a "non-reactive" resistor in the 50-100-200 ohm range
>
Are we talking QRP here? If so a couple of CARBON 2w 100 ohms in
parallel would do?
There were some nice big tubular 50 ohm beasts available at one time,
but rare nowadays.
--73--
Frank G3YCC G QRP 042
email: g3ycc@g3ycc.prestel.co.uk
QRP web Site: http://www.homeusers.prestel.co.uk/g3ycc/
Packet: G3YCC@GB7HUL

Date: Wed, 27 May 1998 17:22:48 +0000
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [11881] Journey to 160 Meters -- Whoops!
Message-ID: <356C4BE8.3DD4@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi. To skip down to my pertinent QRP question just go
to the two lines beginning with ">".

Two Steps Forward. One back.

Beginning my journey to work the 160 Meter band I was faced
with an ominous task -- Get the TX running, find a RX, and
how to fit what might be a huge antenna on this little
lot where I rent?

It was tall, this 160 Meter high mountain. Footholds were

scarce and I queried myself, "Do I have the perserverance
and stamina to arrive at the top?"

Then my partner arrived. It was Niel/WA7SSA -- "You'll need
this", he said, and delivered a Gen. Coverage receiver. Yes
a Sangean ATS 818. Immediately I was halfway up the mountain!

Much enthused, I pressed on and got the Johnson Viking II running
on 1810 KHz. But the NVIS long-wire running 2 feet above the ground
and along the exterior 3 foot high fence was too alluring, and
I found the wire stripped off the fence and strewn across the street.
Must've been fun, those elementary schoolkids finding the #28 AWG
green magnet wire hiding along the fence. I definately needed
an antenna with a small footprint -- not this 2 acre monstrosity!

Success and my first contact with 5 Watts QRP both ways was obtained
with my new, 4 feet high by 3 feet wide and only 6 inch deep, short
transmitting loop -- 6 turns fed with a single turn coupling link.

I was nearing the top of what was once an unbelievably tall and
dangerous mountaing. I know felt like it was no longer a mountain,
but a nice ocean wave. A Sangean RX served as the surfboard and
the short TX loop made a great wind sail!   I was headed for the
tunnel and white caps formed by the comming waves.

That's when I decided to get cute. I soldered up a 8 foot coupling
loop to feed my little receiver. I carefully place it, shaped like
a triangle, apex at the top of my TX loop. Carefully I made sure
the RX coupling loop was a full 4 inches from any of the driven
antenna. Wow, signals were booming in on 160 Meters! And the
Tuned Loop really was quiet. Nothing but internal hiss from the
RX. Then wham! Peak in a signal with the loop tuned. I was
ready to "HANG TEN!". I called CQ with the loop beam due East.
No answer.

So I rotated the loop with a main beam S/E. After a CQ I turned
the RX back on -- Nothing. Nothing on any other bands either.
Even the 50 KW AM BC station down the street was only nominal.

Searching for answers I found the RX coupling line touching the
main TX loop at a high voltage location. It started raining.
I felt the salty drops clinging to my lower eyelashes. They
refused to fall until my casual blinking informed me of thier
moist presence.

In my hast to turn the loop I had neglected to maintain the
isolation of the RX coupling loop previously laid down. My
receiver front end was gone.

And I succomed to a huge sleeper wave crashing into my wind
sail and destroying my Sangean surfboard. I drifted to
shore.

>>Anyone got a schematic for Sangean ATS 818 general coverage
>>receiver?

My journey pauses, yet I continue to seek top band.
Any help? Best 72 to all my friends!

My favorite poem, memorized over 3 days in 1975.

         --- Eldorado by Edgar Allen Poe ---

Gaily Bedight a gallant Knight, in sunshine and in shadow,
had journeyed long, singing a song, in search of Eldorado.

But he grew old - this Knight so bold -
And o'er his heart a shadow fell as he found
no spot of ground that looked like Eldorado.

And as his strength failed him at length, he met a pilgrim
shadow - "Shadow," said he, "where can it be - This land
of Eldorado?"

"O'er the mountains of the moon, down the valley of the
shadow, Ride, boldly, ride", the shade replied -
"If you seek for Eldorado".

--
72, Ed, WE6W/qrp CW ONLY; Proud Member: QRP-L/ARCI/Norcal/ARS/AR
http://www.qsl.net/we6w (Enjoying Ham Radio every day.)

Date: Wed, 27 May 1998 12:39:13
From: Steven Weber <kd1jv@moose.ncia.net>
To: 72507.235@compuserve.com
Cc: qrp-l@Lehigh.EDU
Subject: [11882] Re: Sierra Mod scary looking
Message-ID: <3.0.3.16.19980527123913.2e97790e@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>
>It's odd that when I peak the trimmers for the cleanest sinewave out of
>each mixer stage that I don't end up with enough drive to put any power
>out. I guess amplitude is more important than a pure sinewave.
>
Be carefull here! I'd go with the clean sine wave and verify it's the
proper frequency with a counter.Then figure out why there isn't enough
drive. Power meters aren't frequency selective, so often when you adjust
for the most power, you don't have the cleanist signal. It's pretty easy to
adjust these filters to look like you have a lot of power, when in fact you
have a lot of hash!

72,

Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

Date: Wed, 27 May 1998 10:40:28 -0700
From: Pierre Constantineau <pierre@cmpe.ubc.ca>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [11883] PIC project: CW morse tutor
Message-ID: <356C500C.AA8B733C@cmpe.ubc.ca>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi everyone,

Last night, I completed assembling the G0UKB CW Tutor.
It is a nice PIC project. It uses the PIC16C84, a 16x2 LCD
screen, a few switches and pots.

For my first PIC project, it sure is a very nice little thing.
All I had to do was to compile the software, program it in the chip
and build the hardware.
The compiler is free and the programmer is VERY cheap! (7 parts
including socket and plug) Can't really be simpler!

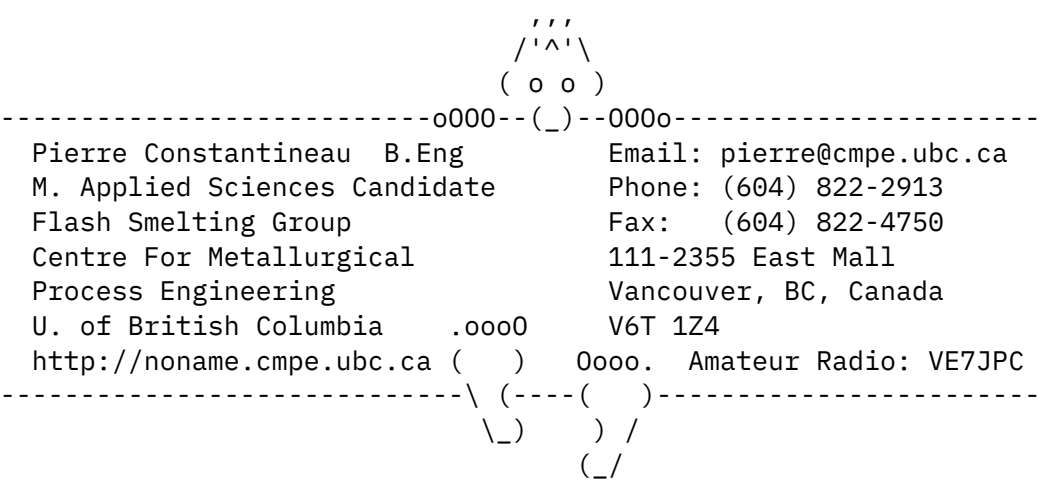
You can find the information on the CW tutor at:
http://www.qsl.net/n0tfi/tutor.html

You can find the information on the programmer that I used on my
test equipment page:
http://noname.cmpe.ubc.ca/pierre/testequ.htm

Now I have nothing stopping me from learning code.
Well, maybe myself :) I also want to build a receiver, complete the ELMER101
sw-40+, learn to program PICs, complete my frequency meter,
build a dds vfo/freq generator. Hey I have to work too...

So many things, so little time...

--



Pierre Constantineau B.Eng Email: pierre@cmpe.ubc.ca
M. Applied Sciences Candidate Phone: (604) 822-2913
Flash Smelting Group Fax: (604) 822-4750
Centre For Metallurgical 111-2355 East Mall
Process Engineering Vancouver, BC, Canada
U. of British Columbia V6T 1Z4
http://noname.cmpe.ubc.ca Amateur Radio: VE7JPC

Date: Wed, 27 May 1998 19:50:18 -0700
From: "Paul Meier" <wa7mig@Hevanet.com>
To: <danr@izzy.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [11884] Re: Scopes and Probes
Message-ID: <008a01bd89fb$aaa0bf60$b83ca3ce@wa7mig.hevanet.com>
MIME-Version: 1.0
Content-Type: text/plain;
    charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Stan's book on Tek scopes is very good and worth the money. You can contact
him at w7ni@teleport.com the previously listed address is also correct. 73
Paul WA7MIG

Date: Wed, 27 May 1998 13:41:42 -0500 (EST)
From: "James C. Owen, III" <owen@piper.eeel.nist.gov>
To: ARDUJENSKI@aol.com, qrp-l@Lehigh.EDU
Subject: [11885] RE: PREFIXES?
Message-ID: <49303.owen@piper.eeel.nist.gov>

In message Wed, 27 May 1998 11:22:47 EDT,
  ARDUJENSKI <ARDUJENSKI@aol.com> writes:

> Could someone direct me to a site that lists all the prefixes for
> countries.
> Thanks...Alan KB7MBI
>
You can find this info on the ARRL web site.
GO to http://www.arrl.org
click on Info & Services then click on Awards   then click on DXCC
scroll down to DX Century Club heading and click on DXCC page then click on
International call-sign prefix allications.
You might be able to get it faster by going direct to
http://www.arrl.org/awards/dxcc/allocation.html
73 Jim K4CGY

Date: Wed, 27 May 1998 13:48:35 -0400
From: "Fishman, Clark" <cfishman@pica.army.mil>
To: "'qrp-l@lehigh.edu'" <qrp-l@Lehigh.EDU>
Subject: [11886] Sierra Tune up
Message-ID: <61184F6C1EF9D0119A6300609798EA46010181AE@pica-emh9.pica.army.mil>
MIME-Version: 1.0
Content-Type: text/plain

I have worked on several Sierra's ...when you tune up a band module make
sure each cap is within it's tuning range...that is somewhere between
min and max....if the cap is at the extreme of min or max...maybe a
toroid needs some tweaking maybe a turn more or a turn less......I don't
think the manual shows the min and max cap positions but I measured it
and made a drawing to follow.......I "cheat" when I tune up....I use a
spectrum analyser

Clark Fishman   WA2UNN   cfishman@pica.army.mil

Date: Wed, 27 May 1998 10:49:35 -0700

From: "Dennis B. Dolle" <dolledb@cet.com>
To: <qrp-l@Lehigh.EDU>
Subject: [11887] Weller WTCPK Soldering Station
Message-ID: <003301bd8998$0e97b6e0$5e5a60ce@dolledb>
MIME-Version: 1.0
Content-Type: multipart/alternative;
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This is a multi-part message in MIME format.

------=_NextPart_000_0030_01BD895D.23F40380
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Fellow Masochists,

I bought a WTCPK soldering station from Fair Radio Sales about a year =
ago. I've been quite pleased with the set. For those with inquiring =
minds, here's a complete list of what is included:

Pencil, Soldering Elect. 24V..48 Watts
Attachment, Desoldering Bulb
Soldering Pencil Holder

Soldering Tips
Tip, 1/16" Screwdriver, 600 deg F
Tip, 3/32" Screwdriver, 600 deg F
Tip, 1/8" Screwdriver, 600 deg F
Tip, 1/8" Screwdriver, 700 deg F
Tip, 5/64" Screwdriver, 700 deg F
Tip, 3/64" Screwdriver, 600 deg F, Bent
Tip, 3/64" Screwdriver, 700 deg F, Bent

Other Tips
Tip, Conformal Coating - Stripping
Tip, Wire Stripping
Tip, Dual In-Line
Tip, Flat Pack
Tip, Desoldering: .038 Orifice
Tip, Desoldering: .046 Orifice
Tip, Desoldering: .059 Orifice
Tip, Desoldering: .063 Orifice
Tip, Desoldering: .078 Orifice
Tip, Desoldering: .090 Orifice

The electronic components are housed in the steel carrying case. The =
case is about 14" X 4 1/2" X 2" (I didn't measure it, just eyeballed the =

dimensions). All the accessories fit nicely into the case and little =
shelves are provided to hold the tips...nicely designed in that the tips =
will not fall off their little shelves when the lid is closed even if =
the whole kit is turned upside down. The case is painted in an olive =
gray military color. Replacement tips are readily available from a =
number of sources and the kit uses standard tips for the Weller WTCP =
series irons. What a deal!

No connection with Fair Radio Sales and blah, blah, blah.

Dennis, NX5W

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Content-Transfer-Encoding: quoted-printable

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<BODY bgColor=3D#ffffff>
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blah.</FONT></DIV>
<DIV><FONT size=3D2></FONT> </DIV>
<DIV><FONT size=3D2>Dennis, NX5W</FONT></DIV>
<DIV><FONT size=3D2></FONT> </DIV>
<DIV><FONT color=3D#000000 size=3D2></FONT> </DIV>
<DIV><FONT color=3D#000000 size=3D2></FONT> </DIV></BODY></HTML>

------=_NextPart_000_0030_01BD895D.23F40380--

Date: Wed, 27 May 1998 13:58:32 -0400
From: McNelly <72507.235@compuserve.com>
To: qrp-l@Lehigh.EDU, Kent Torell <torell@sicom.com>
Subject: [11888] Re: Sierra Mod scary looking
Message-ID: <199805271400_MC2-3E4E-65A@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

>Rick, I'm still a little suspicious... Wayne designed the filtering to
>reject the other mixer component, as well as the xtal feedthrough, and they
>should both be down 40 db or so with respect to the desired. The surest
>test is alignment with a network analyzer, next with a spectrum analyzer.
>Failing that, you kind of stab in the dark :-) Do you have two locations
>with the capacitors that peak the signal? That tells you that the
>inductance is correct.
>
>If you have access to a friend with this type of equipment, it would be
>good for a check that way. If you have the time to wait, you could mail it
>to me at work, and I'll put it on our equipment here. US post office will
>priority ship a 2 pound box for $4.00; it would arrive in 3 days.
>
>Kent Torell   torell@sicom.com   602-607-4852
>SICOM   7585 E. Redfield, #202   Scottsdale, AZ   85260

Thanks for the offer to put on an analyzer. I might take you up on it if I don't get anywhere with this thing. I'm posting our exchanges to the list, maybe someone else can help or benefit. I get the digest so I have to wait unless folks email direct.

I'm not getting two peaks on C66. Will try squishing/spreading turns on L9.

Thought I found the problem when I noticed she had soldered L8 and L9 to each others pads in the center where they are close, but thats a common ground point.

On 80M her sigs look much better. 30M looks awful, and I can't get enough power out of 15M to tell much. I'm waiting for a J310 to help here.

I'm sure something else is wrong here. My Sierra has a nice clean sinewave out the antenna jack on all band modules. Her modules look good

in my rig too. I don't think it is the transformer mod either as the
sigs out of the buffer look real bad.

So that leaves the components on the main circuit board?

72/73's,

--Rick, KE4IZH

QRP-L # 493
72507.235@compuserve.com
Chesapeake, Va.
MP2.1K

Date: Wed, 27 May 1998 23:27:49 -0700
From: "Paul Meier" <wa7mig@Hevanet.com>
To: "QRP-L List" <qrp-l@Lehigh.EDU>
Subject: [11889] keyer info
Message-ID: <00e901bd8a01$da55d320$b83ca3ce@wa7mig.hevanet.com>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have a keyer that needs some work but I do not have a manual and
schematic. Can someone please make me a copy or point me in the right
direction. The keyer is a Curtis C-MOS DELUXE KEYER
model EK-420A.
Thanks
Paul WA7MIG

Date: Wed, 27 May 1998 13:29:07 -0500
From: Tellefsen Bob-CNSE97 <cnse97@lmpsil02.comm.mot.com>
To: SBillingsley@usaninc.com
Cc: QRP-L list <QRP-L@Lehigh.EDU>

Subject: [11890] ATUs
Message-ID: <E726B6D1F2C7D1119AB900805FA74B3C41C6D9@s-il02-n.comm.mot.com>
MIME-Version: 1.0
Content-Type: text/plain

Sam:
I recognize the problem you describe. I have LDG's QRP ATU myself.
I prefer to use my external homebrew keyer, so I get around the problem
with a tune button that closes the keyline until I let up.

For someone using the QRP+'s internal keyer, I might suggest replacing
the manual or auto tune button in the ATU with one that has two separate
contact closures. One can do its normal job, while the other is brought
out to a tip-sleeve plug. This could be plugged into the regular key
jack in the back of the QRP+ and provide a tune function with no mods to
the rig itself.

73, Bob N6WG

Date: Wed, 27 May 1998 14:39:54 EDT
From: DYARNES@aol.com
To: qrp-l@Lehigh.EDU
Subject: [11891] Barry Goldwater K7UGA
Message-ID: <b56557ab.356c5dfb@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Here in Arizona this morning there were numerous reports on local radio
stations about Barry Goldwater being "seriously" ill, if not worse! While
these reports were somewhat speculative in that they couldn't get confirmation
from the family, there seems to be some credability to the fact that he is not
in very good health.

I don't think ham radio has had a better friend in Washington that Barry
Goldwater. He clearly enjoyed the hobby and worked hard to make it better.
It seems to me that this would be an excellent time for at least some of us to
send him a little "hope you get better" message. Why not just do the QSL card
routine with a best wishes message on it.   If the reports are true, there
might not be much time to do this.

72 de David W7AQK

By the way, Barry is 89 years old, and I last saw him a few of years ago
cruising down Camelback Road in Phoenix with an Outbacker mobile antenna on

his SUV.

D.

Date: Wed, 27 May 1998 12:58:15 -0600
From: "Jerry McCollom" <jmc@cnd.hp.com>
To: <qrp-l@Lehigh.EDU>
Subject: [11892] RE: Solar Quake video
Message-ID: <000401bd89a1$6876d480$38620f0f@fcjmcp.fc.hp.com>
Mime-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

For those of us trapped in front of a computer, you view it online at:

     http://quake.stanford.edu/~sasha/FLARE/

Jerry
W0MC
QRP-L #800

Date: Wed, 27 May 1998 14:58:53 EDT
From: DENNISMO@aol.com
To: qrp-l@Lehigh.EDU
Subject: [11893] Re: Barry Goldwater K7UGA
Message-ID: <180f2f0a.356c626e@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=ISO-8859-1
Content-transfer-encoding: quoted-printable

Hi Gang -

Just a short follow-up to David's (W7AQK) posting this morning. K7UGA's=
=0Aaddress, per QRZ and Buckmaster callsign servers, is as follows:

K7UGA
Barry M. Goldwater Sr
6250 North Hogahn Dr
Scottsdale, AZ 85253

Thanks for the bandwidth es God Bless

73's es 72's de Denny

Denny / AD6EZ
PROMISE KEEPER
FISTS # 4570 / QRP-L # 1359
ARCI #9637 10-X # 69158

HAMing It Up Everyday In Goleta, CA

Section: Santa Barbara
Long: 34.437 N Lat: 119.868 W=A0=A0=A0
Grid: DM04BK
WEB PAGE: http://members.aol.com/dennismo

Date: Wed, 27 May 1998 12:14:23 -0700 (PDT)
From: KC5TJA <kc5tja@topaz.axisinternet.com>
To: "Rich Dailey, KA8OKH" <ka8okh@som-uky.campus.mci.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [11894] Re: Solar Quake video
Message-ID: <Pine.LNX.3.96.980527121343.29671A-100000@topaz.axisinternet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 27 May 1998, Rich Dailey, KA8OKH wrote:

> Maybe not strictly qrp, but for those who can receive NASA TV,
> today's video file contains interesting SOHO video of a solar
> quake, and it's associated tsunami wave, which was estimated at
> over 2 miles high, and extended for tens of thousands of miles
> along the "surface" of the sun. Big stuff.

I don't have satellite TV. Is there a .avi or .mov file of this that I
can download? .mpg files are too blocky/lossy for good, scientific
animations.

==
      KC5TJA/6 | -| TEAM DOLPHIN |-
        DM13 | Samuel A. Falvo II
    QRP-L #1447 | http://www.dolphin.openprojects.net

Date: Wed, 27 May 1998 13:19:38 -0700
From: Jeff Grudin <grudin@pacific.vdbs.com>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [11895] FS: Vibroplex Bug
Message-ID: <356C755A.9DC@vdbs.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gentlemen and Ladies,

I was walking around town at lunch today and came across a Vibroplex Bug. It is Serial No 141567. It is dirty but all there and appears to work. The black wooden box is intact but the leatherette cover is peeling a bit. I think it could be glued back.

The guy said it was an old circa 1920 railroad key and wasn't sure how much he wanted. So I am asking you guys:

If someone is interested in my making an offer on their behalf please make an offer. I will present it and see if I can get it for you.

and

Does anyone know the age of the key based on the serial number and it's approximate value. I am pretty sure it isn't a 1920's railroad key.

Thanks.
--
73 de Jeff AC6KW
grudin@vdbs.com
____
Private Practice : Companion Animals and Exotics
Ocean Animal Clinic / Cat Clinic of Santa Cruz
Santa Cruz, California

Norcal QRP #1292 QRP-L #16 ARS #351
AR Qrp #131 Bumble Bee #19

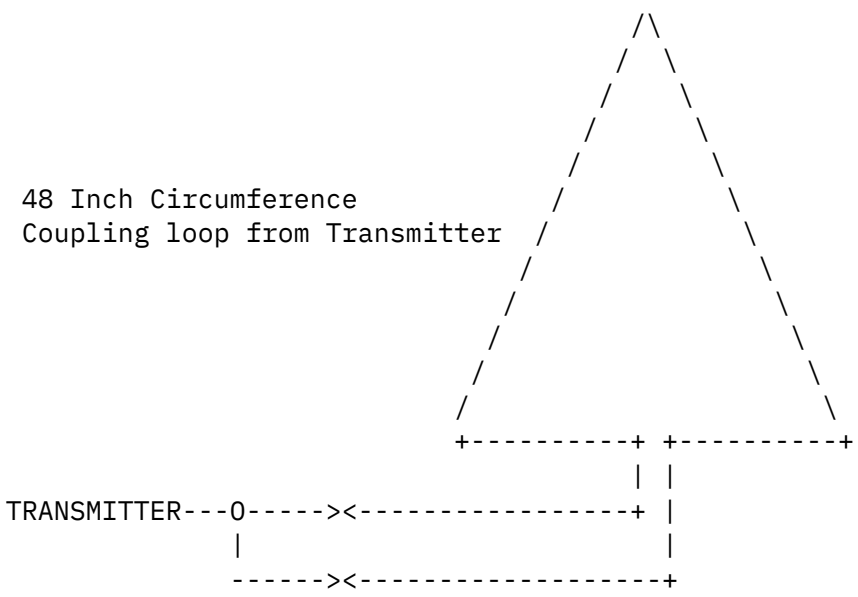
QRP'ers do it with less energy (but lot's of enthusiasm)!
____

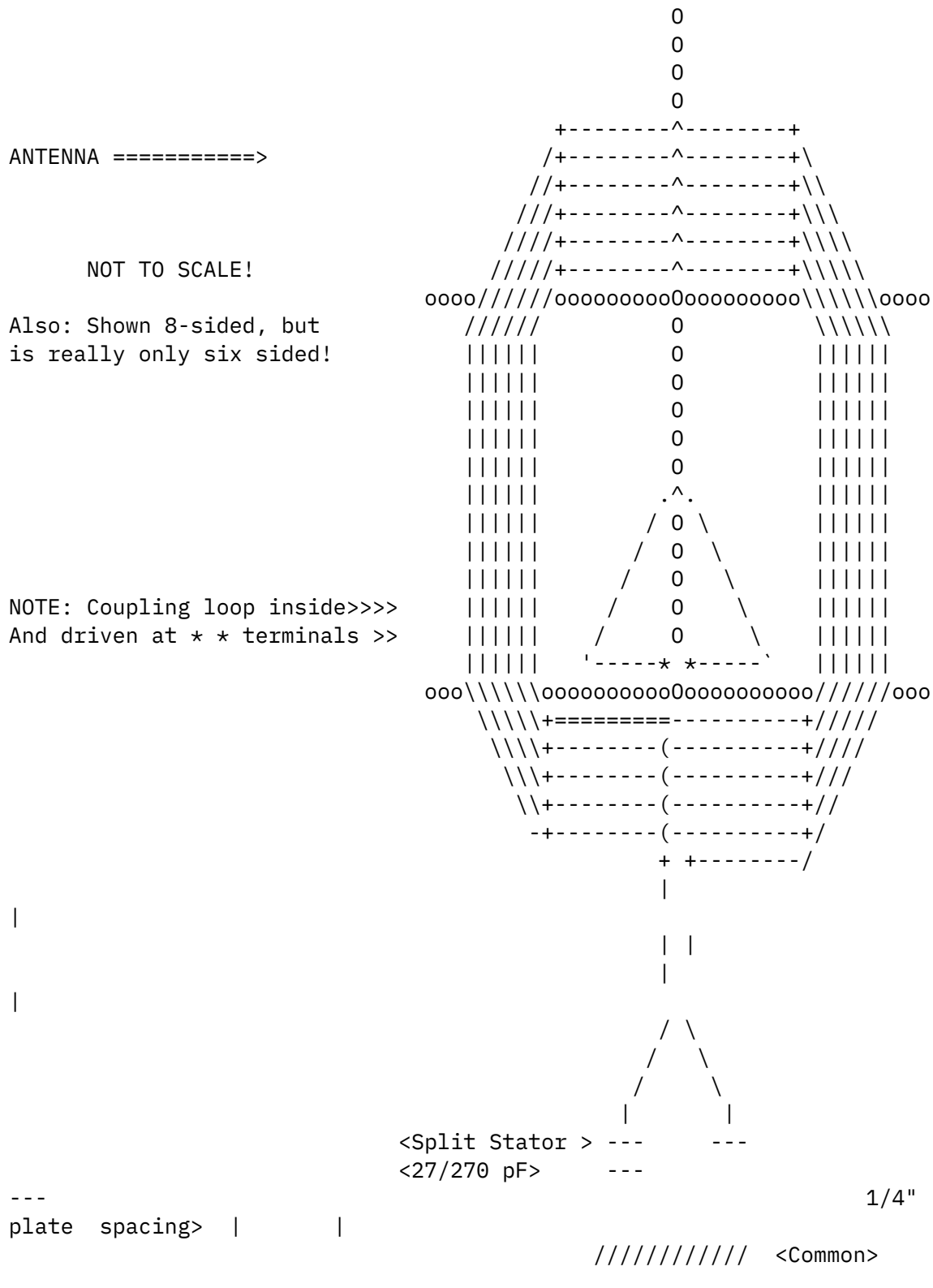
Date: Wed, 27 May 1998 20:23:39 +0000
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [11896] WE6W 160 Meter Short TX Loop Drawing.
Message-ID: <356C764B.790@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I think I have a few moments to do an ASCII Dwg. of the
160 Meter band short TX loop. (I know it is a ruff
drawing. :)

Summary: Inner loop feeds Co-planar spiral loop which is
resonated at the design frequency with tuning capacitor.

Inner loop is 1/100 Wavelength.
Outer Loop is 1/10 Wavelength.
Capacitor is 27-270 pF TX type, common Rotor, split stator.





Note that ALL wires are in the same plane. That is

that they can all lay flat on the floor.

Regards,
Ed Loranger.

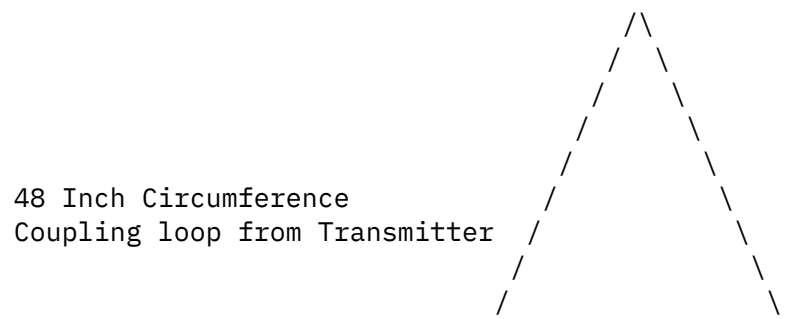
--
72, Ed, WE6W/qrp CW ONLY; Proud Member: QRP-L/ARCI/Norcal/ARS/AR
http://www.qsl.net/we6w (Enjoying Ham Radio every day.)

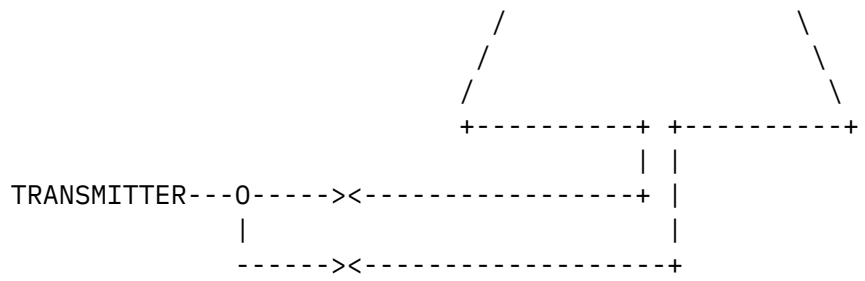
Date: Wed, 27 May 1998 20:31:11 +0000
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [11897] WE6W 160 Meter TX Loop Drawing FIXED!
Message-ID: <356C780F.9A5@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I think I have a few moments to do an ASCII Dwg. of the
160 Meter band short TX loop. (I know it is a ruff
drawing. :)

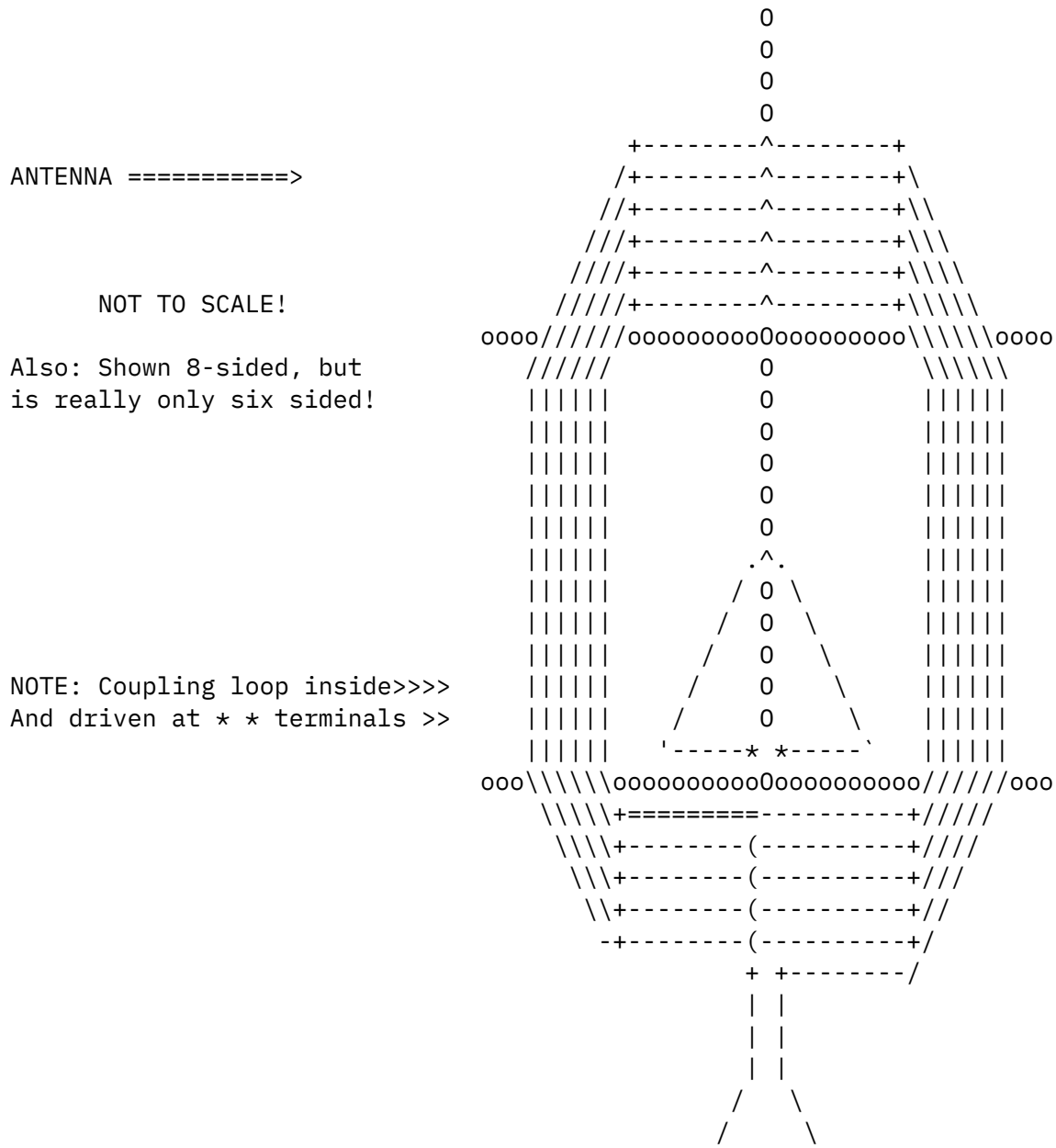
Summary: Inner loop feeds Co-planar spiral loop which is
resonated at the design frequency with tuning capacitor.

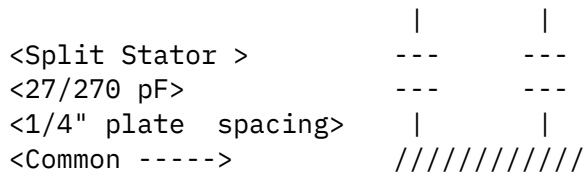
Inner loop is 1/100 Wavelength.
Outer Loop is 1/10 Wavelength.
Capacitor is 27-270 pF TX type, common Rotor, split stator.





(The O's are the dry wooden poles.)





Note that ALL wires are in the same plane. That is
that they can all lay flat on the floor.

Regards,
Ed Loranger.
--
72, Ed, WE6W/qrp CW ONLY; Proud Member: QRP-L/ARCI/Norcal/ARS/AR
http://www.qsl.net/we6w (Enjoying Ham Radio every day.)

Date: Wed, 27 May 1998 16:35:50 -0400 (EDT)
From: Bruce Muscolino <w6toy@erols.com>
To: mikemo@ibm.net
Cc: QRP-L@Lehigh.EDU
Subject: [11898] Re: PREFIXES?
Message-ID: <2.2.16.19980527162727.22f7080e@pop.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

You can find a list of prefixes ar www.arrl.org, in the DXCC area. It is
trhe DXCC countries list. You can download it but it's multi page and very
slow. You can buy it from them or any one of their many dealers for a
couple of bucks. Try Kanga, USA.

73

Date: Wed, 27 May 1998 15:10:52 -0400
From: Derek Brown <DBrown@RFMD.com>
To: "'KnightLites'" <klqrp@waterw.com>, "'QRP-L'" <qrp-l@Lehigh.EDU>
Subject: [11899] WF4I Off Line!
Message-ID:
<c=US%a=_%p=RF_Micro_Devices%l=PACHACUTEC-980527191052Z-11434@proxy1.rfmd.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Gang,

Out Internet Service Provider (ISP) relocated and as a result, we lost out Internet service for a few days. Several responses which I made got lost in cyberspace. In particular, I had sent personal responses to a few people regarding Sierra mods. I lost the original messages and, so, will not be able to re-send my responses. To compound this problem, I've been out of town on vacation. We just got out service back; please try again, guys.

Derek Brown, WF4I
Greensboro, NC
drown@rfmd.com

Date: Wed, 27 May 1998 17:14:17 -0300
From: "Prof.Arnaldo Coro Antich" <inforhc@mail.infocom.etecsa.cu>
To: <qrp-l@Lehigh.EDU>
Subject: [11900] RE: vacuum tube rectifiers replacements
Message-ID: <01bd89ac$06c69620$07199e03@luis>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I now have a text file with a full description ... step by step instructions on how
to replace the vacuum tube and mercury vapor rectifiers of old ages.
Be aware, please... that direct substitution of silicon diodes in place of a 5U4-G , 5Y3-GT or GT, 5R4-G , 5R4-GY , 6X5-GT can be disastrous to
the equipment, because the HIGH VOLTAGE applied to all the components connected to B + line will increase by no less than 40 or 50 volts !
So.. if you need the HOW TO... please send a request to
inforhc@mail.infocom.etecsa.cu
and I will gladly send the file to you directly, no need to use list bandwidth
on this one.
Arnie

Date: Wed, 27 May 1998 17:18:43 -0300
From: "Prof.Arnaldo Coro Antich" <inforhc@mail.infocom.etecsa.cu>
To: <qrp-L@Lehigh.EDU>
Subject: [11901] Re: 160 meter loop
Message-ID: <01bd89ac$a53a8d20$07199e03@luis>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

160 meters is a nice band for local QRP work.
Here in Cuba we make good use of the 1.890 to 1.990 mHz segment , which
was assigned for novice stations.
That part of 160 is usually a noisy area of the spectrum and just that,
which
turns into a nice place where young guys make experiments with QRP rigs...
The 160 meter loop antenna presented in QRP-L looks as a very interesting
proposal, but I could not see it in the drawing made with ASCII characters.
As I don't have WWW access, can anyone please send it to me as an
attachment ?
This is how I usually get to see things like the NORCAL WEBPAGE about
the NORCAL 20.
Thanks in advance
Arnie
CO2KK

e-mail : inforhc@mail.infocom.etecsa.cu

Date: Wed, 27 May 1998 21:36:40 +0000
From: Ed Loranger <we6w@qsl.net>
To: inforhc@mail.infocom.etecsa.cu
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [11902] Re: 160 meter loop
Message-ID: <356C8768.6A01@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I have sent arnie the information.

And ALL of my experiment and design information is
on my web page.

No hunting and searching! Here is is:

http://www.qsl.net/we6w/projects/160_loop.txt

Best success to all.
-Ed
--
72, Ed, WE6W/qrp CW ONLY; Proud Member: QRP-L/ARCI/Norcal/ARS/AR
http://www.qsl.net/we6w (Enjoying Ham Radio every day.)

Date: Wed, 27 May 1998 16:51:59 -0500
From: ac5ez@webtv.net (Larry B)
To: qrp-l@Lehigh.EDU
Subject: [11903] dsp filters
Message-ID: <199805272151.OAA20891@mailtod-121.bryant.webtv.net>
Content-Type: TEXT/PLAIN; CHARSET=US-ASCII
Content-Transfer-Encoding: 7BIT
MIME-Version: 1.0 (WebTV)

I am considering a dsp filter, either the Time wave 599zx or the mfj
784b . I would appreciate any and all comments regarding a comparison
of these two units. Is the Time wave worth an extra $100.00 ?
Thank you
Larry Ac5ez
Qcwa

Date: Wed, 27 May 1998 16:20:37 -0600
From: Brad Mugleston <bmug@gwl.com>
To: "'qrp-l'" <qrp-l@Lehigh.EDU>
Subject: [11904] Outlook Help
Message-ID: <01BD898B.76F3F1C0.bmug@gwl.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

OK, I know this has been discussed before but as I didn't use outlook I
didn't pay much attention. Now I'm on outlook and have a need to know.

1 - How do I make sure my emails go out as ASCII so it doesn't mess up what
people are reading?

2 - How do I get incoming emails to go directly to a folder?

Thanks

de KB0ROL, Brad

Date: 27 May 1998 17:22:21 -0500
From: "rohre" <rohre@arlut.utexas.edu>
To: qrp-l@Lehigh.EDU
Subject: [11905] boardlayout: signal integrity-long
Message-ID: <n1315832684.78246@msmailgw1.arlut.utexas.edu>

Hello,
Just was looking over one of the numerous trade magazines I monitor to try to stay on top of technology---"Integrated System Design" June 1998. (Publisher: The Verecom Group, Mountain View, CA.) Usually this publication has mostly detail stuff on silicon, and other systems issues of chip technology.

I like to look at our QRP projects, or circuits, as systems of signals, also. In fact, your antenna is a system, as well.

Lo, and behold, this issue has a piece that could have been written about some of our lessons learned on the Forty 9'er, and the 38 Special!

The paper is called 'Addressing the Effects of Signal Integrity in Deep-Submicron Design'
It is alerting folks that when the chips shrink down some more, you run into problems with coupling between traces, especially when you are switching significant level of current simultaneously on several (adjacent) pads, and using single power and ground pads.

This brings to mind the revision of the Forty -9'er board when the two chokes ending up standing side by side, and a bit coupled by that, leading to a squeal (oscillation) in some rigs.

Lesson learned--- place coils at right angles or at greater than a diameter spacing from each other, if they could form undesired coupling or feedback paths for signals. Coupling a higher level signal back to a lower level of the circuit has been around for awhile, it is called Regeneration. We have a long history in radio of using it to advantage, right back to Armstrong replacing the coherer, electrolytic detector, and other early detectors with his first regenerative design for a detector. But even in the two coils coupled to form the regeneration loop, you had a point that was most sensitive for detection, and then the point of too much coupling leading to squeal or

regeneration.

Even more in line with this paper was the happening to the circuits of the 38 special. Use of the multiple gates on a chip as electronic switches apparently contributed to "The Thump". Parallel circuits inside the chip coupled together and shared a common power and ground pad set.

Ideally, we would want to switch all signals at low enough levels that crosstalk or adjacent trace coupling would not happen. What you want to do in good circuit system layout is keep the low level signals to one end of the board, and high level signals to the other end. But there are times you would like to shrink a circuit by laying things out in a pattern that reduces board area, maybe a U-shaped signal path. This can lead to the undesired coupling between input and output, between low level stages and high level.

Early radio design addressed this with a simple in line design: you had multiple amplifying stages, with say the antenna connected on the left, and the headphone amplifier was the last stage on the right on a board or wooden box.

Later, circuits evolved to patterns of layout that we see even today.

Once power supplies started to go into the same box with the radio circuits, we saw that designers found it useful to group all the power supply components together. This was to keep heat away from stability stages such as local oscillators, and tuned circuits that might expand from the heat, but it also kept the audio hum of an AC supply out of the RF and detector/audio stages of the receiver.

A summary of the basic idea is to keep like circuits with like; low power with low power, low frequency with low frequency, sensitive to frequency change away from vibration and heat, and receive circuits isolated from transmit circuits in a transceiver as much as possible. This even extends to keeping RF currents from flowing in common parts of the case to DC power and audio, when grounds are shared with part of the enclosure.

Just so you are prepared for your SMD design exercise, remember that typical package interconnects might consist of R= 5 ohms, C=50 pf, and L=10nH.
At a frequency of 100 MHz, the corresponding impedances are comparable in magnitude the paper asserts. The larger the series L and R terms, and the smaller the shunt C term the more significant each term becomes. For digital switching edges, you are concerned with a frequency of 10 divided by tr, where tr is the signal rise time. (Remember class C RF looks like a pulse, too.)

In integrated circuits, ringing can be a problem on a signal line. The ringing frequency is set by the load capacitance and the package inductance.
2 Pi f equals 1 all divided by the square root of L times C.

The ringing must not cross the supply Voltage boundaries, which in TTL are 2.4 V and 0.4 V. (Believe me, those TTL circuits can be Bears!)

Closer spacing of traces means increased capacitance leading to coupling problems. Two traces run in parallel also have mutual inductance, which can couple noise onto the lower level line.

When the rate of change of voltage is great in parallel lines, antenna effects can be seen, and signal appears where you do not want it. But limiting the dv/dt as it is called, limits your clock speed, or in our case, the oscillator frequency. Some of these issues are why you do not see many 6M kits. Reproducible layout is an iffy issue.

The paper of course is speaking of new IC designs, that will pass to smaller than 0.5 micron layouts; but the basic principles are the same.

When the IC traces are more narrow resistance increases, and inductange increases. In our circuit layouts, using wide flat conductors will keep inductance down. Using a ground plane of copper under our circuit traces will help control and lower impedance, and avoid voltage drops in straight narrow ground traces. Not relying on the case for both the common return of DC power and the RF output to the coax connector will keep a shared ground voltage drop from happening.

When prototyping, one must retain the layout that works when you go from perfboard construction to printed circuit. Avoid new pitfalls caused by traces more narrow than the wire of the prototype, and thus of higher inductance.

Hopefully, you get the idea. Each circuit can be thought of as a system that must obey certain rules, or else the performance can be problematical.

Troubleshooting can be efficiently done by breaking a larger system in half at first, and determining if the problem is in one half or the other.
This even works on apprently dead systems, for you can keep half splitting as this is called, until some signal appears, or you find you forgot to connect the antenna coax. Well, check for the obvious first.

The first question I ask anyone having a circuit that is not working, is what did the voltage and current measure? This goes for RF, audio, digital, whatever. It is amazing how many times a bad power supply, bad battery or such is the cause of many other symptoms.

Then you go on to half split your circuit, and by a process of elimination find the stages or stages not working. From that, you can often go to the component level and replace only the one at fault. Shot gunning, (replacing all the capacitors or whatever whether known bad or not) is a waste of time and money and poor practice.

Even in a multiple circuit board device, some forethought to the meaning of the symptoms can point to which board to replace first, and hopefully bring the equipment back into operation in minimum time.

Just an observation, from all reports, what the designer and manufacturer of the SGC rig failed to do was try a prototype rig out in the European strong broadcast signal-short wave environment on 40M.
Another type of systems design consideration. A radio should work in whatever area it is being marketed.
Wonder who Wayne and Eric blessed with a trial prototype of the K2 on the other side of the pond? :-)

72, Stuart K5KVH

Date: Wed, 27 May 1998 18:31:39 EDT
From: Bensondj@aol.com
To: qrp-l@Lehigh.EDU
Subject: [11906] Product announcement
Message-ID: <4733c932.356c944c@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

I'm pleased to announce that the audible (Morse) frequency counter project has undergone some useful revisions. Conrad Weiss had reported its existence just prior to Dayton, and I've now had the chance to make improvements based on feedback from early users.

It's got a name- for better or worse: the "FREQ-mite". It's a PIC-based Morse frequency counter measuring only 1.25" x 1.75" x 0.45" (H) and now capable of operation to more than 30 Mhz. When used in 'transceiver' mode, it outputs three Morse digits corresponding to frequency (hundreds/ tens/ units Khz). The FREQ-Mite is shorting-jumper programmable to any offset (0-999) and may be run in either normal or inverted (high IF) readout. It can also be set up to run as a general-purpose counter, and in this mode outputs 4/5 digits up to a maximum of 32.767 Mhz. The RF input is high-impedance and requires a minimum of less than 200 mV p-p up to 10 Mhz and under 600 mV p-p at 30+ Mhz. Accuracy is +/- 1.5 Khz to 25 Mhz and +/- 2 Khz at the high end. It's activated by pressing a pushbutton switch, and enters 'SLEEP' mode when not in use to preclude receiver interference.

The default speed readout on the FREQ-Mite is 13 WPM, but a fast (26 WPM) mode may be selected upon power-up. The output is an 800 Hz tone; this

signal is tri-stated off when not in use to minimize 'thump'. The output is capable of driving an "external-drive" type Piezo annunciator or speaker/headphones directly at modest audio levels. It really shines, though, when installed into a QRP transceiver to augment whatever dial-marking scheme you've been living with until now.

   The FREQ-Mite uses a high-quality double-sided PC board, solder-masked on both sides and silkscreened. The kit provides all on-board parts, interconnect wire, mounting hardware and a comprehensive 6-page set of instructions.

Price: $20 postpaid to any destination.

72, Dave Benson- NN1G

Small Wonder Labs
80 East Robbins Ave.
Newington, CT
06111

Date: Wed, 27 May 1998 04:11:52 -0500
From: Larry Jones <ljones@flash.net>
To: qrp-l@Lehigh.EDU
Subject: [11907] Mini Lunchboxes
Message-ID: <356BD8D8.3C4B@flash.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Greetings Gang...

   Been out of pocket the last three weeks and have not finished reading all my email. So, this might be a repeat of someone else.
   What I have found while shopping at SAM'S today was a possible case for backpacking rigs. It is a small mimiture lunchbox. It is a direct replica of the old kids lunch box of years ago before they started to become a collectors item. These boxes are of metal also. They go for $3.99 at SAM'S which is cheap compared to a standard aluminum box these days. Just thought you might like to know...

Larry n5osg

End of QRP-L Digest 1104
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